

Gene No.	12139	Strand	+
Start	13539	End	17354
Name	OJ991113_36.0128.C6.o5.np	Method	AAT/NAP
Start	14684	End	14978
GI	453244	Score	255
Exons	14684..14978		
GI Descrip.	(X77467) flavonoid 7-O-methyltransferase [Hordeum vulgare]		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12140	Strand	+
Start	24183	End	30851
Name	OJ991113_36.0128.C6.o1.gp	Method	AAT/GAP
Start	24183	End	26549
GI	3107009	Score	669
Exons	24183..24274, 25323..25411, 26359..26549		
GI Descrip.	4521194/dbj AB013613.1 AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12140	Strand	+
Start	24183	End	30851
Name	OJ991113_36.0128.C6.o7.gs	Method	GENSCAN
Start	25730	End	30851
GI	none	Score	.55
Exons	25730..25826, 26564..26698, 27512..27719, 28252..28289, 28594..29022, 29902..30851		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12141	Strand	+
Start	31263	End	33890
Name	OJ991113_36.0128.C6.o8.gs	Method	GENSCAN
Start	31263	End	32606
GI	none	Score	.9
Exons	31263..32606		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12141	Strand	+
Start	31263	End	33890
Name	OJ991113_36.0128.C6.o6.np	Method	AAT/NAP
Start	31647	End	33890
GI	2213632	Score	720
Exons	31647..32386, 33850..33890		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12142	Strand	+
Start	41636	End	47783
Name	OJ991113_36.0128.C6.o7.np	Method	AAT/NAP
Start	41636	End	47783
GI	5922631	Score	6596
Exons	41636..41760, 42019..42263, 42522..42724, 42770..43341, 43384..43535, 43662..44588, 45195..46761, 46837..47783		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon
Cinful-1. (AF049110) [Oryza sativ

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o2.np	Method	AAT/NAP
Start	6949	End	11164
GI	6907089	Score	164
Exons	6949..6987, 7604..7750, 10645..11164		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o3.gs	Method	GENSCAN
Start	7100	End	7608
GI	none	Score	.4
Exons	7100..7116, 7527..7608		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o3.np	Method	AAT/NAP
Start	10341	End	12048
GI	6721512	Score	75
Exons	10341..10371, 11781..11919, 11961..12048		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12144	Strand	-
Start	41176	End	41935
Name	OJ991113_36.0128.C6.o2.gp	Method	AAT/GAP
Start	41176	End	41935
GI	5816562	Score	671
Exons	41176..41589, 41911..41935		
GI Descrip.	6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o18.tw	Method	TBLASTX:Wheat
Start	2610	End	2996
GI	none	Score	152
Exons	2610..2801, 2635..2745, 2655..2810, 2850..2996		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o11.tm	Method	TBLASTX:Maize
Start	3543	End	3866
GI	none	Score	214
Exons	3543..3866, 3590..3667		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-

Start	48212	End	49148
Name	OJ991113_36.0128.C6.o15.tw	Method	TBLASTX:Wheat
Start	3548	End	3926
GI	none	Score	152
Exons	3548..3670, 3549..3770, 3636..3716, 3804..3926, 3804..3920, 3815..3925		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.tw	Method	TBLASTX:Wheat
Start	4098	End	45181
GI	none	Score	180
Exons	4098..4271, 4109..4270, 4277..4579, 4280..4546, 4432..4575, 44831..45181		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o13.tm	Method	TBLASTX:Maize
Start	4107	End	4271
GI	none	Score	199
Exons	4107..4271, 4109..4267		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o5.ts	Method	TBLASTX:Soybean
Start	4277	End	45010
GI	none	Score	106
Exons	4277..4408, 44645..44869, 44876..45010		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o6.tm	Method	TBLASTX:Maize
Start	4277	End	45091
GI	none	Score	141
Exons	4277..4474, 44735..45091, 44776..45081		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o7.tm	Method	TBLASTX:Maize
Start	4475	End	45568
GI	none	Score	114
Exons	4475..4603, 4568..4630, 4676..4966, 4717..4845, 4876..4920, 45095..45172, 45233..45568		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	4520	End	45517
GI	none	Score	54
Exons	4520..4552, 4550..4885, 4556..4606, 4558..4914, 4670..4915, 45254..45517		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o7.tw	Method	TBLASTX:Wheat
Start	4685	End	45600
GI	none	Score	127
Exons	4685..4930, 45220..45600, 45221..45595, 45277..45597		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	4931	End	5429
GI	none	Score	135
Exons	4931..5047, 4966..5046, 5037..5429, 5045..5353, 5378..5428		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	5003	End	5378
GI	none	Score	48
Exons	5003..5047, 5042..5272, 5045..5224, 5046..5357, 5319..5378		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	5433	End	5924
GI	none	Score	566
Exons	5433..5924, 5435..5920		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	5631	End	5948
GI	none	Score	112
Exons	5631..5804, 5638..5748, 5805..5948, 5807..5947		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	5723	End	5969
GI	none	Score	270
Exons	5723..5968, 5724..5969		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o5.tm	Method	TBLASTX:Maize
Start	5771	End	6062
GI	none	Score	366
Exons	5771..6058, 5772..6062		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	5931	End	47450
GI	none	Score	712
Exons	5931..6557, 5933..6445, 6024..6557, 47091..47312, 47340..47450		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	6114	End	6698
GI	none	Score	223
Exons	6114..6272, 6116..6268, 6210..6557, 6270..6698, 6497..6697		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o10.tw	Method	TBLASTX:Wheat
Start	6557	End	6890
GI	none	Score	362
Exons	6557..6781, 6558..6890		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o11.tw	Method	TBLASTX:Wheat
Start	13532	End	37609
GI	none	Score	246
Exons	13532..13780, 13533..13781, 13817..13861, 13821..13859, 13878..13976, 13878..13979, 37177..37425, 37178..37426, 37463..37501, 37520..37609, 37520..37609		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	13550	End	39269
GI	none	Score	242
Exons	13550..13777, 13551..13781, 13820..13858, 13821..13859, 13880..13975, 13881..13979, 14003..14194, 14010..14195, 14186..14257, 14187..14267, 14188..14295, 14280..14345, 14286..14360, 14291..14359, 14685..14762, 14726..14797, 14808..14981, 14849..14980, 16587..16673, 16685..16795, 16686..16820, 16826..16861, 37195..37422, 37196..37426, 37463..37501, 37523..37621, 37528..37620, 37639..37848, 37640..37831, 37822..37923, 37823..37930, 37844..37936, 37925..37996, 37925..37984, 37930..37992, 38825..38878, 38991..39047, 39020..39085, 39095..39268, 39096..39269		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.ts	Method	TBLASTX:Soybean
Start	13563	End	38004
GI	none	Score	159

Exons 13563..13781, 14052..14267, 14289..14360, 37208..37426,
37640..37678, 37688..37996, 37774..38004

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o6.tw	Method	TBLASTX:Wheat
Start	14000	End	37996
GI	none	Score	305
Exons	14000..14266, 14010..14267, 14133..14267, 14170..14268, 14282..14356, 14283..14360, 37610..37996, 37624..37992, 37646..37996		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o13.tw	Method	TBLASTX:Wheat
Start	14682	End	39292
GI	none	Score	122
Exons	14682..15050, 14685..14762, 14817..14987, 16560..16772, 16562..16678, 16577..16795, 16587..16820, 16800..16829, 38970..39272, 38971..39072, 38972..39088, 39011..39292, 39105..39272, 39112..39273		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o16.tw	Method	TBLASTX:Wheat
Start	31452	End	31811
GI	none	Score	241
Exons	31452..31811, 31484..31786		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	31599	End	32030
GI	none	Score	334
Exons	31599..31928, 31625..31750, 31806..31916, 31807..31926, 31844..31927, 31931..32029, 31932..32030		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.tw	Method	TBLASTX:Wheat
Start	31943	End	32357
GI	none	Score	202
Exons	31943..32110, 31944..32120, 31956..32120, 31985..32122, 32121..32357, 32123..32203, 32130..32351, 32240..32353		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o9.tm	Method	TBLASTX:Maize
Start	32031	End	32369
GI	none	Score	230
Exons	32031..32297, 32033..32191, 32094..32285, 32304..32369		

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o14.tw
 Start 42946
 GI none
 Exons 42946..43215, 42947..43348

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Wheat
 End 43348
 Score 268

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o15.tm
 Start 43187
 GI none
 Exons 43187..43447, 43189..43392

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Maize
 End 43447
 Score 187

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o5.tw
 Start 43928
 GI none
 Exons 43928..44104, 44149..44385, 44153..44383, 44432..44725, 44560..44721

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Wheat
 End 44725
 Score 140

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o14.tm
 Start 44236
 GI none
 Exons 44236..44382, 44237..44413

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Maize
 End 44413
 Score 187

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o19.tw
 Start 45604
 GI none
 Exons 45604..45669, 45605..45697, 45614..45700, 45671..45874, 45782..45877

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Wheat
 End 45877
 Score 85

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o3.ts
 Start 45869
 GI none
 Exons 45869..45973, 45877..45963, 46017..46256, 46018..46254

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Soybean
 End 46256
 Score 87

Seq. No. 5754
 Gene No. 12145
 Start 48212
 Name OJ991113_36.0128.C6.o9.tw
 Start 45878
 GI none

Seq. ID OJ991113_36.0128.C6
 Strand -
 End 49148
 Method TBLASTX:Wheat
 End 46299
 Score 136

Exons 45878..45988, 45883..45969, 46002..46223, 46017..46199,
46018..46299

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o17.tw	Method	TBLASTX:Wheat
Start	46315	End	46655
GI	none	Score	130
Exons	46315..46449, 46508..46633, 46509..46655		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.tm	Method	TBLASTX:Maize
Start	46610	End	46997
GI	none	Score	266
Exons	46610..46819, 46611..46820, 46805..46996, 46806..46997		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o12.tw	Method	TBLASTX:Wheat
Start	46749	End	47083
GI	none	Score	72
Exons	46749..46820, 46824..47078, 46824..46988, 46829..47083		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o12.tm	Method	TBLASTX:Maize
Start	47150	End	47423
GI	none	Score	99
Exons	47150..47248, 47151..47249, 47240..47314, 47244..47327, 47337..47423		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o20.tw	Method	TBLASTX:Wheat
Start	47487	End	47762
GI	none	Score	129
Exons	47487..47663, 47513..47671, 47670..47762		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o10.tm	Method	TBLASTX:Maize
Start	47505	End	47768
GI	none	Score	165
Exons	47505..47687, 47561..47686, 47666..47767, 47667..47768		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.np	Method	AAT/NAP
Start	48152	End	49148

GI 6691716 Score 738
 Exons 48152..48599, 48673..48793, 48943..49038, 49113..49148
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 5754 Seq. ID OJ991113_36.0128.C6
 Gene No. 12145 Strand -
 Start 48212 End 49148
 Name OJ991113_36.0128.C6.o10.gs Method GENSCAN
 Start 48212 End 49038
 GI none Score .84
 Exons 48212..48433, 48523..48599, 48673..48777, 48849..49038

Seq. No. 5755 Seq. ID OJ991113_36.0128.C7
 Gene No. 12146 Strand -
 Start 1 End 1911
 Name OJ991113_36.0128.C7.o1.np Method AAT/NAP
 Start 1 End 1872
 GI 6691716 Score 1615
 Exons 1..98, 176..355, 432..534, 611..788, 984..1872
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 5755 Seq. ID OJ991113_36.0128.C7
 Gene No. 12146 Strand -
 Start 1 End 1911
 Name OJ991113_36.0128.C7.o1.gs Method GENSCAN
 Start 20 End 1911
 GI none Score .87
 Exons 20..110, 176..534, 611..1322, 1467..1592, 1743..1911

Seq. No. 5755 Seq. ID OJ991113_36.0128.C7
 Gene No. 12146 Strand -
 Start 1 End 1911
 Name OJ991113_36.0128.C7.o1.tw Method TBLASTX:Wheat
 Start 1462 End 1752
 GI none Score 197
 Exons 1462..1752

Seq. No. 5756 Seq. ID OJ991113_36.0128.C8
 Gene No. 12147 Strand +
 Start 555 End 674
 Name OJ991113_36.0128.C8.o1.gs Method GENSCAN
 Start 555 End 674
 GI none Score .9
 Exons 555..674

Seq. No. 5756 Seq. ID OJ991113_36.0128.C8
 Gene No. 12148 Strand +
 Start 671 End 1081
 Name OJ991113_36.0128.C8.o1.gp Method AAT/GAP
 Start 671 End 1081
 GI 5816562 Score 662
 Exons 671..1081
 GI Descrip. 6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic

DNA, chromosome 1, clone:P0711E10

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12149	Strand	+
Start	2377	End	6750
Name	OJ991113_36.0128.C8.o1.np	Method	AAT/NAP
Start	2348	End	6468
GI	6682245	Score	322
Exons	2348..2378, 3937..4479, 6409..6468		
GI Descrip.	(AC016661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12149	Strand	+
Start	2377	End	6750
Name	OJ991113_36.0128.C8.o2.gs	Method	GENSCAN
Start	2377	End	6750
GI	none	Score	.44
Exons	2377..2427, 2465..2608, 2701..2871, 3829..6750		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12150	Strand	+
Start	7817	End	10952
Name	OJ991113_36.0128.C8.o3.gs	Method	GENSCAN
Start	7817	End	10952
GI	none	Score	.78
Exons	7817..7860, 9526..9724, 10511..10952		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	3933	End	4229
GI	none	Score	310
Exons	3933..4229, 3934..4221		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	5762	End	6575
GI	none	Score	213
Exons	5762..6040, 5773..6060, 5784..6047, 6056..6142, 6117..6305, 6118..6303, 6125..6310, 6400..6573, 6434..6574, 6441..6575		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o3.np	Method	AAT/NAP
Start	8283	End	10701
GI	5902928	Score	226
Exons	8283..8304, 9825..9934, 10051..10138, 10600..10701		
GI Descrip.	(AB029509) small GTP-binding protein OsRac2 [Oryza sativa]		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.tc	Method	TBLASTX:Cress

Start	9825	End	10139
GI	none	Score	71
Exons	9825..9935, 9829..9894, 10034..10138, 10039..10125, 10050..10139		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.ts	Method	TBLASTX:Soybean
Start	9825	End	10139
GI	none	Score	104
Exons	9825..9935, 9825..9935, 9827..9937, 9829..9939, 10034..10138, 10050..10139		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.gp	Method	AAT/GAP
Start	9825	End	10138
GI	145_3.R1084	Score	286
Exons	9825..9934, 10051..10138		
GI Descrip.	'5902928/dbj BAA84493.1 1.0e-121 (AB029509) small GTP-binding protein OsRac2 [Oryza sativa]'		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.tm	Method	TBLASTX;Maize
Start	9825	End	10140
GI	none	Score	93
Exons	9825..9935, 9825..9935, 9896..9937, 10034..10138, 10050..10139, 10056..10139, 10057..10140		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12152	Strand	+
Start	102	End	497
Name	OJ991113_36.0128.C9.o1.gs	Method	GENSCAN
Start	102	End	497
GI	none	Score	.52
Exons	102..171, 324..497		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12153	Strand	+
Start	3203	End	5291
Name	OJ991113_36.0128.C9.o2.np	Method	AAT/NAP
Start	3203	End	5291
GI	2921304	Score	476
Exons	3203..4018, 5123..5291		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12154	Strand	-
Start	1	End	2545
Name	OJ991113_36.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	2545
GI	5852093	Score	63
Exons	1..46, 1023..1196, 2525..2545		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o2.gs	Method	GENSCAN
Start	3162	End	10423
GI	none	Score	.8
Exons	3162..3241, 3332..3966, 6287..6363, 7323..7485, 8416..8480, 10244..10423		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	3218	End	3893
GI	none	Score	105
Exons	3218..3295, 3230..3301, 3305..3469, 3306..3467, 3549..3638, 3657..3725, 3696..3794, 3798..3863, 3831..3893		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	3224	End	3628
GI	none	Score	84
Exons	3224..3295, 3236..3304, 3290..3484, 3306..3476, 3554..3628		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	3306	End	3893
GI	none	Score	115
Exons	3306..3458, 3552..3650, 3657..3686, 3777..3893		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	3629	End	3988
GI	none	Score	61
Exons	3629..3892, 3657..3713, 3696..3893, 3696..3893, 3887..3985, 3890..3988		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.gp	Method	AAT/GAP
Start	10163	End	10443
GI	2428157	Score	490
Exons	10163..10443		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12156	Strand	+
Start	200	End	1267
Name	OJ991113_36.0128.C10.o1.gs	Method	GENSCAN
Start	200	End	1267

GI	none	Score	.93
Exons	200..304, 971..1267		
Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12156	Strand	+
Start	200	End	1267
Name	OJ991113_36.0128.C10.o1.np	Method	AAT/NAP
Start	918	End	1264
GI	2921304	Score	268
Exons	918..1264		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	976	End	1276
GI	none	Score	105
Exons	976..1077, 977..1060, 1093..1266, 1097..1276, 1100..1267		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1299
GI	none	Score	288
Exons	977..1273, 978..1043, 979..1266, 1150..1299		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o2.gs	Method	GENSCAN
Start	2205	End	3377
GI	none	Score	.71
Exons	2205..2351, 3285..3377		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o4.np	Method	AAT/NAP
Start	1	End	27261
GI	4835245	Score	154
Exons	1..30, 9357..9629, 9861..10052, 16600..16624, 25651..25749, 27233..27261		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o1.gp	Method	AAT/GAP
Start	2009	End	3204
GI	uC-osflm202113h08b1	Score	985
Exons	2009..2268, 2352..2414, 2521..2608, 3084..3204		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
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Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o2.gp
 Start 3379
 GI none
 Exons 3379..3979

Strand +
 End 28231
 Method AAT/GAP
 End 3979
 Score 1169

Seq. No. 5759
 Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o2.gs
 Start 6125
 GI none
 Exons 6125..6248, 6309..6408, 8196..8387, 9303..9438, 9967..10545

Seq. ID OJ991113_36.0128.C11
 Strand +
 End 28231
 Method GENSCAN
 End 10545
 Score .51

Seq. No. 5759
 Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o3.gp
 Start 10609
 GI 3763212
 Exons 10609..10718

Seq. ID OJ991113_36.0128.C11
 Strand +
 End 28231
 Method AAT/GAP
 End 10718
 Score 146

Seq. No. 5759
 Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o4.gp
 Start 22573
 GI 556 1.R1084
 Exons 22573..22780
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. ID OJ991113_36.0128.C11
 Strand +
 End 28231
 Method AAT/GAP
 End 22780
 Score 208

Seq. No. 5759
 Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o5.gs
 Start 23394
 GI none
 Exons 23394..23450, 23733..23874, 24597..24848, 24911..24990, 25557..25614, 26177..26394, 27233..27320, 28055..28227

Seq. ID OJ991113_36.0128.C11
 Strand +
 End 28231
 Method GENSCAN
 End 28227
 Score .59

Seq. No. 5759
 Gene No. 12158
 Start 1
 Name OJ991113_36.0128.C11.o7.np
 Start 26224
 GI 4191779
 Exons 26224..26394, 27233..27320, 28055..28231
 GI Descrip. (AC005917) putative recA protein [Arabidopsis thaliana]

Seq. ID OJ991113_36.0128.C11
 Strand +
 End 28231
 Method AAT/NAP
 End 28231
 Score 478

Seq. No. 5759
 Gene No. 12159
 Start 465
 Name OJ991113_36.0128.C11.o1.gs
 Start 465
 GI none

Seq. ID OJ991113_36.0128.C11
 Strand -
 End 4135
 Method GENSCAN
 End 4135
 Score .5

Exons 465..523, 655..1057, 1167..1276, 1305..1428, 2001..2050,
2122..2336, 2720..2866, 3981..4135

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12159	Strand	-
Start	465	End	4135
Name	OJ991113_36.0128.C11.o1.np	Method	AAT/NAP
Start	609	End	3111
GI	4678262	Score	592
Exons	609..1018, 1369..1512, 3061..3111		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12159	Strand	-
Start	465	End	4135
Name	OJ991113_36.0128.C11.o2.np	Method	AAT/NAP
Start	609	End	3459
GI	4678262	Score	590
Exons	609..1018, 1369..1520, 3438..3459		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12160	Strand	-
Start	11335	End	13656
Name	OJ991113_36.0128.C11.o3.gs	Method	GENSCAN
Start	11335	End	13656
GI	none	Score	.7
Exons	11335..11348, 11484..11552, 11639..11926, 12020..12158, 13372..13656		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	606	End	1510
GI	none	Score	93
Exons	606..677, 613..675, 672..1043, 680..1060, 685..1059, 1063..1134, 1064..1123, 1089..1259, 1090..1260, 1119..1292, 1228..1509, 1241..1510, 1241..1510		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	606	End	1526
GI	none	Score	81
Exons	606..677, 613..693, 621..704, 668..742, 680..1060, 688..897, 690..1040, 770..1060, 1063..1134, 1064..1123, 1113..1259, 1114..1239, 1119..1247, 1228..1509, 1241..1510, 1358..1510, 1383..1526		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.tc	Method	TBLASTX:Cress

Start	615	End	1464
GI	none	Score	185
Exons	615..677, 680..982, 681..905, 683..907, 941..1060, 942..1040, 1045..1134, 1083..1241, 1114..1242, 1123..1251, 1154..1264, 1258..1290, 1289..1450, 1291..1464, 1292..1420, 1330..1425		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o4.gs	Method	GENSCAN
Start	16275	End	22227
GI	none	Score	.85
Exons	16275..16345, 16625..16665, 16779..18285, 18361..18471, 18538..18604, 18689..19318, 19801..20280, 21661..22227		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o5.np	Method	AAT/NAP
Start	16775	End	20054
GI	6899940	Score	194
Exons	16775..16906, 16955..17401, 20026..20054		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o6.np	Method	AAT/NAP
Start	22073	End	27579
GI	3880303	Score	132
Exons	22073..22255, 23601..23838, 24646..25028, 27523..27579		
GI Descrip.	(Z54238) T28C6.1 [Caenorhabditis elegans]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	26166	End	27334
GI	none	Score	78
Exons	26166..26384, 26179..26394, 26229..26390, 27232..27324, 27233..27334		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o2.ts	Method	TBLASTX:Soybean
Start	27244	End	28224
GI	none	Score	116
Exons	27244..27321, 27245..27322, 28048..28188, 28053..28202, 28073..28210, 28078..28224, 28140..28220		

Seq. No.	5760	Seq. ID	OJ991113_36.0128.C12
Gene No.	12162	Strand	+
Start	1	End	656
Name	OJ991113_36.0128.C12.o1.np	Method	AAT/NAP
Start	1	End	656
GI	5042454	Score	85

Exons 1..228, 637..656
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	5760	Seq. ID	OJ991113_36.0128.C12
Gene No.	12162	Strand	+
Start	1	End	656
Name	OJ991113_36.0128.C12.o1.gs	Method	GENSCAN
Start	41	End	255
GI	none	Score	.64
Exons	41..255		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.gs	Method	GENSCAN
Start	105	End	4942
GI	none	Score	.52
Exons	105..193, 3931..4259, 4298..4942		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.gp	Method	AAT/GAP
Start	3606	End	3849
GI	5056026	Score	419
Exons	3606..3849		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.np	Method	AAT/NAP
Start	3897	End	6306
GI	4204295	Score	129
Exons	3897..4162, 6235..6306		
GI Descrip.	(AC003027) lcl prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.tm	Method	TBLASTX:Maize
Start	4325	End	4561
GI	none	Score	134
Exons	4325..4459, 4326..4460, 4334..4465, 4445..4561, 4469..4555		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o2.gp	Method	AAT/GAP
Start	4532	End	4953
GI	2428673	Score	779
Exons	4532..4953		

Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o3.gp	Method	AAT/GAP

Start 5698
 GI none
 Exons 5698..6287

End 6287
 Score 1049

Seq. No. 5762
 Gene No. 12164
 Start 561
 Name OJ991013_16.0113.C2.o1.gs
 Start 561
 GI none
 Exons 561..800, 808..978, 2003..2026

Seq. ID OJ991013_16.0113.C2
 Strand +
 End 2026
 Method GENSCAN
 End 2026
 Score .48

Seq. No. 5762
 Gene No. 12165
 Start 626
 Name OJ991013_16.0113.C2.o1.gp
 Start 626
 GI uC-osflcyp120c03b1
 Exons 626..1061

Seq. ID OJ991013_16.0113.C2
 Strand -
 End 1061
 Method AAT/GAP
 End 1061
 Score 784

GI Descrip. '2832644/emb|CAA16719| 8.0e-18 (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]'

Seq. No. 5763
 Gene No. 12166
 Start 4243
 Name OJ991013_16.0113.C3.o2.gs
 Start 4243
 GI none
 Exons 4243..4276, 4476..4651, 5272..5380, 5992..6202, 6657..6729, 6954..7133

Seq. ID OJ991013_16.0113.C3
 Strand -
 End 7133
 Method GENSCAN
 End 7133
 Score .41

Seq. No. 5764
 Gene No. 12167
 Start 1
 Name OJ991013_16.0113.C6.o1.gp
 Start 1
 GI 342_1.R1084
 Exons 1..3281

Seq. ID OJ991013_16.0113.C6
 Strand +
 End 3318
 Method AAT/GAP
 End 3281
 Score 5195

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 5764
 Gene No. 12167
 Start 1
 Name OJ991013_16.0113.C6.o2.ts
 Start 2
 GI none
 Exons 2..295, 31..282

Seq. ID OJ991013_16.0113.C6
 Strand +
 End 3318
 Method TBLASTX:Soybean
 End 295
 Score 205

Seq. No. 5764
 Gene No. 12167
 Start 1
 Name OJ991013_16.0113.C6.o2.tc
 Start 28
 GI none
 Exons 28..102, 35..376, 130..180, 229..357

Seq. ID OJ991013_16.0113.C6
 Strand +
 End 3318
 Method TBLASTX:Cress
 End 376
 Score 288

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.np	Method	AAT/NAP
Start	56	End	2015
GI	6742729	Score	3047
Exons	56..2015		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.tw	Method	TBLASTX:Wheat
Start	164	End	633
GI	none	Score	73
Exons	164..220, 172..216, 217..318, 218..322, 218..340, 326..424, 331..423, 334..426, 404..628, 427..633		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tm	Method	TBLASTX:Maize
Start	209	End	667
GI	none	Score	243
Exons	209..463, 221..463, 473..667		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.ts	Method	TBLASTX:Soybean
Start	497	End	739
GI	none	Score	207
Exons	497..739		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o3.tw	Method	TBLASTX:Wheat
Start	772	End	1182
GI	none	Score	87
Exons	772..822, 773..835, 821..1063, 841..1023, 1091..1171, 1096..1182, 1097..1177		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tw	Method	TBLASTX:Wheat
Start	1183	End	2499
GI	none	Score	114
Exons	1183..1272, 1184..1279, 1184..1282, 1278..2060, 1279..2100, 1768..2067, 2093..2140, 2094..2135, 2095..2139, 2142..2237, 2146..2205, 2184..2324, 2185..2313, 2215..2331, 2216..2332, 2253..2333, 2337..2390, 2338..2418, 2407..2499, 2411..2482, 2433..2498		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+

Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.tm	Method	TBLASTX:Maize
Start	1226	End	1539
GI	none	Score	67
Exons	1226..1279, 1269..1511, 1279..1539		
Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tc	Method	TBLASTX:Cress
Start	1470	End	1918
GI	none	Score	366
Exons	1470..1883, 1474..1896, 1667..1918, 1768..1917		
Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.np	Method	AAT/NAP
Start	2048	End	3318
GI	4038057	Score	93
Exons	2048..2295, 3284..3318		
GI Descrip.	(AC005897) En/Spm-like transposon protein [Arabidopsis thaliana]		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12168	Strand	+
Start	172	End	595
Name	OJ991013_16.0113.C7.o1.gs	Method	GENSCAN
Start	172	End	595
GI	none	Score	.97
Exons	172..262, 331..595		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12169	Strand	+
Start	1569	End	5238
Name	OJ991013_16.0113.C7.o2.np	Method	AAT/NAP
Start	1569	End	5238
GI	4680204	Score	930
Exons	1569..2980, 3072..4129, 4218..4391, 4481..4616, 5018..5238		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12169	Strand	+
Start	1569	End	5238
Name	OJ991013_16.0113.C7.o1.np	Method	AAT/NAP
Start	1569	End	4381
GI	4680204	Score	879
Exons	1569..2980, 3072..4129, 4218..4381		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12170	Strand	-
Start	5866	End	6498
Name	OJ991013_16.0113.C7.o3.gs	Method	GENSCAN
Start	5866	End	6498
GI	none	Score	1
Exons	5866..6498		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.tw	Method	TBLASTX:Wheat
Start	2190	End	2591
GI	none	Score	218
Exons	2190..2426, 2190..2384, 2291..2431, 2421..2591, 2474..2590		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o4.tw	Method	TBLASTX:Wheat
Start	2591	End	3284
GI	none	Score	69
Exons	2591..2626, 2592..2672, 2912..2983, 3065..3139, 3066..3284		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o4.gs	Method	GENSCAN
Start	6894	End	10211
GI	none	Score	.58
Exons	6894..7175, 7492..7733, 8026..8173, 9189..9544, 9948..10211		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.np	Method	AAT/NAP
Start	8980	End	10254
GI	6539553	Score	2046
Exons	8980..10254		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.tw	Method	TBLASTX:Wheat
Start	9115	End	9560
GI	none	Score	342
Exons	9115..9501, 9117..9500, 9516..9560		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.ts	Method	TBLASTX:Soybean
Start	9243	End	9560
GI	none	Score	93
Exons	9243..9452, 9264..9452, 9471..9560, 9478..9558		
Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.tm	Method	TBLASTX:Maize
Start	9447	End	9783

GI	none	Score	67
Exons	9447..9548, 9448..9549, 9562..9783, 9568..9783		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.ts	Method	TBLASTX:Soybean
Start	9589	End	9940
GI	none	Score	114
Exons	9589..9939, 9740..9940		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.tw	Method	TBLASTX:Wheat
Start	9793	End	10254
GI	none	Score	45
Exons	9793..9999, 9823..9972, 9994..10254, 10018..10191		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.tm	Method	TBLASTX:Maize
Start	9874	End	10254
GI	none	Score	85
Exons	9874..10254, 10021..10203		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.ts	Method	TBLASTX:Soybean
Start	9961	End	10254
GI	none	Score	108
Exons	9961..10254, 9964..10185		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12172	Strand	+
Start	1806	End	1973
Name	OJ991013_16.0113.C9.o1.gs	Method	GENSCAN
Start	1806	End	1973
GI	none	Score	.91
Exons	1806..1973		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12173	Strand	+
Start	3061	End	4772
Name	OJ991013_16.0113.C9.o2.gs	Method	GENSCAN
Start	3061	End	4506
GI	none	Score	.57
Exons	3061..3228, 3994..4506		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12173	Strand	+
Start	3061	End	4772
Name	OJ991013_16.0113.C9.o1.np	Method	AAT/NAP
Start	4133	End	4772
GI	4417306	Score	84

Exons 4133..4325, 4728..4772
 GI Descrip. (AC006446) putative Athila retroelement ORF1 protein
 [Arabidopsis thaliana]

Seq. No. 5766 Seq. ID OJ991013_16.0113.C9
 Gene No. 12174 Strand -
 Start 2999 End 3566
 Name OJ991013_16.0113.C9.o1.gp Method AAT/GAP
 Start 2999 End 3566
 GI 4879016 Score 859
 Exons 2999..3566
 GI Descrip. 6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For
 Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
 complete sequence

Seq. No. 5767 Seq. ID OJ991013_16.0113.C11
 Gene No. 12175 Strand -
 Start 1 End 211
 Name OJ991013_16.0113.C11.o1.gp Method AAT/GAP
 Start 1 End 211
 GI 61605_3.R1084 Score 345
 Exons 1..211
 GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis
 thaliana]'

Seq. No. 5768 Seq. ID OJ991013_16.0113.C12
 Gene No. 12176 Strand +
 Start 1 End 1125
 Name OJ991013_16.0113.C12.o1.np Method AAT/NAP
 Start 1 End 1125
 GI 6630696 Score 1356
 Exons 1..1125
 GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a
 region of the predicted gene.; Similar to retrovirus-related pol
 polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No. 5768 Seq. ID OJ991013_16.0113.C12
 Gene No. 12176 Strand +
 Start 1 End 1125
 Name OJ991013_16.0113.C12.o1.tm Method TBLASTX:Maize
 Start 309 End 656
 GI none Score 318
 Exons 309..656, 315..653, 323..655

Seq. No. 5768 Seq. ID OJ991013_16.0113.C12
 Gene No. 12176 Strand +
 Start 1 End 1125
 Name OJ991013_16.0113.C12.o1.ts Method TBLASTX:Soybean
 Start 501 End 876
 GI none Score 107
 Exons 501..605, 700..876

Seq. No. 5768 Seq. ID OJ991013_16.0113.C12
 Gene No. 12176 Strand +
 Start 1 End 1125
 Name OJ991013_16.0113.C12.o1.tw Method TBLASTX:Wheat
 Start 513 End 989

GI	none	Score	106
Exons	513..587, 513..593, 514..588, 518..601, 602..736, 603..737, 711..989, 727..987		

Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12177	Strand	
Start	1264	End	1616
Name	OJ991013_16.0113.C12.o2.tw	Method	TBLASTX:Wheat
Start	1264	End	1616
GI	none	Score	57
Exons	1264..1335, 1265..1336, 1314..1406, 1337..1408, 1339..1419, 1345..1407, 1407..1481, 1408..1485, 1410..1481, 1411..1482, 1512..1616, 1513..1551, 1518..1589		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12178	Strand	+
Start	1	End	8336
Name	OJ991013_16.0113.C13.o1.np	Method	AAT/NAP
Start	1	End	7903
GI	4680183	Score	200
Exons	1..37, 7115..7204, 7814..7903		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12178	Strand	+
Start	1	End	8336
Name	OJ991013_16.0113.C13.o1.gs	Method	GENSCAN
Start	335	End	8336
GI	none	Score	.59
Exons	335..405, 3966..4155, 4248..4329, 4372..4494, 4562..4664, 6758..6864, 7733..7859, 8276..8336		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12179	Strand	+
Start	13087	End	17016
Name	OJ991013_16.0113.C13.o3.np	Method	AAT/NAP
Start	13087	End	17016
GI	4680203	Score	902
Exons	13087..13148, 14361..15301, 16945..17016		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12180	Strand	+
Start	19661	End	19893
Name	OJ991013_16.0113.C13.o2.gp	Method	AAT/GAP
Start	19661	End	19893
GI	61605_1.R1084	Score	359
Exons	19661..19893		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12181	Strand	+
Start	24437	End	24701
Name	OJ991013_16.0113.C13.o6.gs	Method	GENSCAN
Start	24437	End	24701
GI	none	Score	.86

Exons 24437..24448, 24576..24701

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o2.gs	Method	GENSCAN
Start	8634	End	9398
GI	none	Score	.89
Exons	8634..9398		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o2.np	Method	AAT/NAP
Start	8637	End	12667
GI	5042448	Score	1285
Exons	8637..8915, 8943..9449, 12596..12667		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o1.gp	Method	AAT/GAP
Start	10159	End	10540
GI	uC-osflcyp033a04b1	Score	639
Exons	10159..10540		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o3.gs	Method	GENSCAN
Start	10971	End	17141
GI	none	Score	.42
Exons	10971..11056, 11352..11746, 12633..12733, 14535..14740, 14985..15089, 15834..15918, 15970..16308, 16542..16603, 16841..17141		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o4.np	Method	AAT/NAP
Start	16485	End	17946
GI	6815052	Score	1291
Exons	16485..16603, 16872..16940, 17021..17762, 17811..17946		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o4.gs	Method	GENSCAN
Start	17449	End	20394
GI	none	Score	.43
Exons	17449..18140, 19155..19293, 19299..19647, 20345..20394		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12183	Strand	-
Start	20906	End	21640
Name	OJ991013_16.0113.C13.o3.gp	Method	AAT/GAP
Start	20906	End	21640
GI	101153_1.R1084	Score	369
Exons	20906..21135, 21616..21640		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o1.tw	Method	TBLASTX:Wheat
Start	14700	End	15054
GI	none	Score	91
Exons	14700..14810, 14734..14793, 14793..15044, 14803..15054, 14804..15043		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o1.ts	Method	TBLASTX:Soybean
Start	14772	End	15116
GI	none	Score	41
Exons	14772..14816, 14826..15044, 14834..15037, 15051..15116		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o3.tw	Method	TBLASTX:Wheat
Start	15310	End	15998
GI	none	Score	108
Exons	15310..15414, 15312..15368, 15622..15708, 15786..15998		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o2.tw	Method	TBLASTX:Wheat
Start	18001	End	18336
GI	none	Score	66
Exons	18001..18336, 18101..18322		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o5.gs	Method	GENSCAN
Start	21632	End	23240
GI	none	Score	.44
Exons	21632..21778, 21784..21883, 21909..22035, 22401..22442, 23141..23240		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o5.np	Method	AAT/NAP
Start	21894	End	25757

GI 4680204 Score 18
 Exons 21894..22128, 25727..25757
 GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o7.gs	Method	GENSCAN
Start	25418	End	25640
GI	none	Score	.99
Exons	25418..25522, 25527..25640		

Seq. No.	5770	Seq. ID	OJ991013_16.0113.C14
Gene No.	12185	Strand	+
Start	1	End	575
Name	OJ991013_16.0113.C14.o1.np	Method	AAT/NAP
Start	1	End	575
GI	5922620	Score	108
Exons	1..189, 233..409, 518..575		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5770	Seq. ID	OJ991013_16.0113.C14
Gene No.	12185	Strand	+
Start	1	End	575
Name	OJ991013_16.0113.C14.o1.gs	Method	GENSCAN
Start	210	End	410
GI	none	Score	.77
Exons	210..410		

Seq. No.	5771	Seq. ID	OJ991013_16.0113.C15
Gene No.	12186	Strand	-
Start	134	End	586
Name	OJ991013_16.0113.C15.o1.gs	Method	GENSCAN
Start	134	End	586
GI	none	Score	.42
Exons	134..586		

Seq. No.	5772	Seq. ID	OJ991013_16.0113.C17
Gene No.	12187	Strand	+
Start	2084	End	2751
Name	OJ991013_16.0113.C17.o1.gs	Method	GENSCAN
Start	2084	End	2751
GI	none	Score	.7
Exons	2084..2158, 2582..2751		

Seq. No.	5772	Seq. ID	OJ991013_16.0113.C17
Gene No.	12188	Strand	-
Start	3938	End	4183
Name	OJ991013_16.0113.C17.o2.gs	Method	GENSCAN
Start	3938	End	4183
GI	none	Score	.51
Exons	3938..4183		

Seq. No.	5773	Seq. ID	OJ991013_16.0113.C19
Gene No.	12189	Strand	+
Start	1761	End	3259
Name	OJ991013_16.0113.C19.o1.gs	Method	GENSCAN
Start	1761	End	3259
GI	none	Score	.91
Exons	1761..1776, 2275..3259		
Seq. No.	5773	Seq. ID	OJ991013_16.0113.C19
Gene No.	12189	Strand	+
Start	1761	End	3259
Name	OJ991013_16.0113.C19.o1.tm	Method	TBLASTX:Maize
Start	2643	End	3050
GI	none	Score	114
Exons	2643..2747, 2766..2948, 2792..2941, 2988..3050, 2994..3050		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12190	Strand	+
Start	1	End	314
Name	OJ991013_16.0113.C20.o1.np	Method	AAT/NAP
Start	1	End	314
GI	4204295	Score	126
Exons	1..314		
GI Descrip.	(AC003027) lcl prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.np	Method	AAT/NAP
Start	1	End	1614
GI	2213632	Score	721
Exons	1..77, 867..1614		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.gs	Method	GENSCAN
Start	54	End	1986
GI	none	Score	.43
Exons	54..248, 840..882, 935..1068, 1162..1352, 1386..1986		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.tw	Method	TBLASTX:Wheat
Start	864	End	1095
GI	none	Score	167
Exons	864..926, 925..1095		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.tm	Method	TBLASTX:Maize
Start	894	End	1372
GI	none	Score	39

Exons 894..923, 894..926, 962..1003, 964..1002, 1000..1371,
1001..1372, 1199..1372

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.tw	Method	TBLASTX:Wheat
Start	1096	End	1500
GI	none	Score	307
Exons	1096..1500, 1115..1498		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.tm	Method	TBLASTX:Maize
Start	1396	End	1872
GI	none	Score	165
Exons	1396..1689, 1445..1714, 1756..1872		

Seq. No.	5775	Seq. ID	OJ991013_16.0113.C21
Gene No.	12192	Strand	-
Start	247	End	1779
Name	OJ991013_16.0113.C21.o1.gs	Method	GENSCAN
Start	247	End	1779
GI	none	Score	.68
Exons	247..402, 512..575, 616..785, 1660..1779		

Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.tw	Method	TBLASTX:Wheat
Start	8	End	234
GI	none	Score	176
Exons	8..232, 9..233, 10..234, 13..234		

Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.ts	Method	TBLASTX:Soybean
Start	10	End	234
GI	none	Score	93
Exons	10..201, 13..234		

Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.np	Method	AAT/NAP
Start	13	End	231
GI	6382524	Score	217
Exons	13..231		
GI Descrip.	(AC011020) putative urease [Arabidopsis thaliana]		

Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.gs	Method	GENSCAN
Start	70	End	231

GI	none	Score	.61
Exons	70..231		
Seq. No.	5777	Seq. ID	OJ991013_16.0113.C26
Gene No.	12194	Strand	-
Start	1	End	586
Name	OJ991013_16.0113.C26.o1.np	Method	AAT/NAP
Start	1	End	586
GI	6815052	Score	136
Exons	1..155, 300..378, 546..586		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	5778	Seq. ID	OJ991013_10.0110.C1
Gene No.	12195	Strand	+
Start	157	End	391
Name	OJ991013_10.0110.C1.o1.gs	Method	GENSCAN
Start	157	End	391
GI	none	Score	.76
Exons	157..254, 271..391		
Seq. No.	5779	Seq. ID	OJ991013_10.0110.C3
Gene No.	12196	Strand	-
Start	295	End	550
Name	OJ991013_10.0110.C3.o1.gs	Method	GENSCAN
Start	295	End	550
GI	none	Score	.73
Exons	295..355, 455..550		
Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12197	Strand	+
Start	414	End	1052
Name	OJ991013_10.0110.C6.o1.gs	Method	GENSCAN
Start	414	End	1052
GI	none	Score	.66
Exons	414..691, 869..1052		
Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12198	Strand	+
Start	2314	End	3573
Name	OJ991013_10.0110.C6.o2.gs	Method	GENSCAN
Start	2314	End	3573
GI	none	Score	.72
Exons	2314..2726, 2843..3226, 3294..3383, 3459..3573		
Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12199	Strand	-
Start	1730	End	2044
Name	OJ991013_10.0110.C6.o1.gp	Method	AAT/GAP
Start	1730	End	2044
GI	LIB3431-053-P1-K1-D2	Score	125
Exons	1730..1783, 1814..1873, 2017..2044		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12200	Strand	+
Start	1803	End	1907

Name	OJ991013_10.0110.C7.o1.gs	Method	GENSCAN
Start	1803	End	1907
GI	none	Score	.85
Exons	1803..1907		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12201	Strand	+
Start	5640	End	9969
Name	OJ991013_10.0110.C7.o3.gs	Method	GENSCAN
Start	5640	End	9969
GI	none	Score	.8
Exons	5640..5704, 6687..6777, 7650..8164, 8327..8724, 8813..8897, 9578..9692, 9916..9969		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o2.gs	Method	GENSCAN
Start	2361	End	3515
GI	none	Score	.69
Exons	2361..2553, 2644..2759, 3414..3515		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o1.np	Method	AAT/NAP
Start	3413	End	20828
GI	2429362	Score	139
Exons	3413..3499, 14702..14816, 15898..15987, 17571..17620, 17679..17846, 17919..17974, 18079..18219, 20586..20828		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o1.gp	Method	AAT/GAP
Start	3414	End	3574
GI	none	Score	255
Exons	3414..3574		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o2.gp	Method	AAT/GAP
Start	12529	End	14054
GI	none	Score	902
Exons	12529..12745, 12851..12948, 13893..14054		
Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o4.gs	Method	GENSCAN
Start	12553	End	15533
GI	none	Score	.66
Exons	12553..12745, 12851..12948, 13967..14120, 14434..14550, 14691..14929, 15360..15533		

Seq. No. 5781
 Gene No. 12202
 Start 2361
 Name OJ991013_10.0110.C7.o6.gs
 Start 20406
 GI none
 Exons 20406..20503, 20569..20833

Seq. ID OJ991013_10.0110.C7
 Strand -
 End 20833
 Method GENSCAN
 End 20833
 Score .47

Seq. No. 5782
 Gene No. 12203
 Start 328
 Name OJ991013_10.0110.C8.o1.gs
 Start 328
 GI none
 Exons 328..626, 3396..3696

Seq. ID OJ991013_10.0110.C8
 Strand +
 End 3696
 Method GENSCAN
 End 3696
 Score .6

Seq. No. 5782
 Gene No. 12204
 Start 5321
 Name OJ991013_10.0110.C8.o2.gs
 Start 5321
 GI none
 Exons 5321..5434, 5658..5750

Seq. ID OJ991013_10.0110.C8
 Strand -
 End 5750
 Method GENSCAN
 End 5750
 Score .48

Seq. No. 5783
 Gene No. 12205
 Start 1943
 Name OJ991013_10.0110.C9.o1.np
 Start 1943
 GI 5852084
 Exons 1943..2116
 GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. ID OJ991013_10.0110.C9
 Strand -
 End 2116
 Method AAT/NAP
 End 2116
 Score 69

Seq. No. 5784
 Gene No. 12206
 Start 4826
 Name OJ991013_10.0110.C11.o2.gs
 Start 4826
 GI none
 Exons 4826..6163

Seq. ID OJ991013_10.0110.C11
 Strand +
 End 9886
 Method GENSCAN
 End 6163
 Score .88

Seq. No. 5784
 Gene No. 12206
 Start 4826
 Name OJ991013_10.0110.C11.o1.np
 Start 4896
 GI 2832644
 Exons 4896..5257, 5285..5428, 5777..6008, 6973..7035
 GI Descrip. (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]

Seq. ID OJ991013_10.0110.C11
 Strand +
 End 9886
 Method AAT/NAP
 End 7035
 Score 371

Seq. No. 5784
 Gene No. 12206
 Start 4826
 Name OJ991013_10.0110.C11.o1.tc
 Start 4970
 GI none

Seq. ID OJ991013_10.0110.C11
 Strand +
 End 9886
 Method TBLASTX:Cress
 End 5215
 Score 323

Exons 4970..5215, 4972..5211

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	4976	End	5191
GI	5606956	Score	251
Exons	4976..5191, 4984..5127		
GI Descrip.	-		

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.gp	Method	AAT/GAP
Start	5006	End	5183
GI	5003300	Score	311
Exons	5006..5183		
GI Descrip.	2832644/emb CAA16719 8.0e-18 (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]		

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o2.gp	Method	AAT/GAP
Start	5958	End	9886
GI	4714128	Score	1034
Exons	5958..6210, 9588..9886		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.np	Method	AAT/NAP
Start	1	End	1152
GI	5734762	Score	868
Exons	1..1152		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	15	End	1079
GI	none	Score	82
Exons	15..143, 188..295, 219..308, 544..675, 556..918, 601..861, 607..918, 607..882, 607..918, 727..918, 733..915, 751..816, 751..921, 901..1056, 918..1073, 921..1073, 921..1073, 921..1073, 921..1070, 921..1070, 924..1079, 924..1073, 924..1073, 948..1076, 963..1070, 967..1059, 975..1073		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o2.ts	Method	TBLASTX:Soybean
Start	15	End	277
GI	none	Score	103

Exons 15..188, 16..186, 188..277, 198..266

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o2.tm	Method	TBLASTX:Maize
Start	15	End	278
GI	none	Score	87
Exons	15..188, 16..186, 188..277, 198..278		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.gp	Method	AAT/GAP
Start	80	End	270
GI	none	Score	317
Exons	80..270		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.gs	Method	GENSCAN
Start	182	End	962
GI	none	Score	.52
Exons	182..588, 762..962		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	544	End	1079
GI	none	Score	56
Exons	544..789, 604..684, 607..840, 814..921, 820..918, 832..921, 921..1079, 930..1061, 936..1070, 957..1070, 997..1065		

Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	559	End	1073
GI	none	Score	68
Exons	559..678, 601..918, 604..918, 604..879, 607..918, 733..918, 748..816, 901..1062, 921..1073, 921..1070, 921..1073, 924..1073, 975..1073		

Seq. No.	5786	Seq. ID	OJ991013_10.0110.C13
Gene No.	12208	Strand	-
Start	268	End	389
Name	OJ991013_10.0110.C13.o1.np	Method	AAT/NAP
Start	268	End	389
GI	5852084	Score	98
Exons	268..389		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5787	Seq. ID	OJ991013_10.0110.C14
Gene No.	12209	Strand	+
Start	597	End	1010

Name OJ991013_10.0110.C14.o1.gs
 Start 597
 GI none
 Exons 597..702, 901..1010

Method GENSCAN
 End 1010
 Score .73

Seq. No. 5787
 Gene No. 12210
 Start 2184
 Name OJ991013_10.0110.C14.o2.gs
 Start 2184
 GI none
 Exons 2184..2188, 3073..3341, 3526..3628, 5338..5356

Seq. ID OJ991013_10.0110.C14
 Strand -
 End 5356
 Method GENSCAN
 End 5356
 Score .59

Seq. No. 5787
 Gene No. 12210
 Start 2184
 Name OJ991013_10.0110.C14.o1.gp
 Start 3114
 GI 569040
 Exons 3114..3426

Seq. ID OJ991013_10.0110.C14
 Strand -
 End 5356
 Method AAT/GAP
 End 3426
 Score 590

Seq. No. 5788
 Gene No. 12211
 Start 80
 Name OJ991013_10.0110.C15.o1.gs
 Start 80
 GI none
 Exons 80..153, 272..296

Seq. ID OJ991013_10.0110.C15
 Strand +
 End 296
 Method GENSCAN
 End 296
 Score .84

Seq. No. 5789
 Gene No. 12212
 Start 169
 Name OJ991013_10.0110.C17.o1.gp
 Start 169
 GI none
 Exons 169..628

Seq. ID OJ991013_10.0110.C17
 Strand -
 End 1158
 Method AAT/GAP
 End 628
 Score 885

Seq. No. 5789
 Gene No. 12212
 Start 169
 Name OJ991013_10.0110.C17.o1.gs
 Start 399
 GI none
 Exons 399..410, 713..838, 1031..1158

Seq. ID OJ991013_10.0110.C17
 Strand -
 End 1158
 Method GENSCAN
 End 1158
 Score .66

Seq. No. 5790
 Gene No. 12213
 Start 455
 Name OJ991013_10.0110.C18.o1.gs
 Start 455
 GI none
 Exons 455..574, 620..722

Seq. ID OJ991013_10.0110.C18
 Strand +
 End 722
 Method GENSCAN
 End 722
 Score .48

Seq. No. 5791
 Gene No. 12214
 Start 7336
 Name OJ991013_10.0110.C19.o2.gs

Seq. ID OJ991013_10.0110.C19
 Strand +
 End 10395
 Method GENSCAN

Start	7336	End	10395
GI	none	Score	.73
Exons	7336..7382, 7867..8894, 9737..10395		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12215	Strand	+
Start	21371	End	22413
Name	OJ991013_10.0110.C19.o5.gs	Method	GENSCAN
Start	21371	End	22413
GI	none	Score	.7
Exons	21371..21400, 22174..22413		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12216	Strand	-
Start	183	End	6613
Name	OJ991013_10.0110.C19.o1.gs	Method	GENSCAN
Start	183	End	6613
GI	none	Score	.81
Exons	183..295, 2334..2393, 2431..2647, 2696..2718, 5580..5694, 5777..5882, 5967..6119, 6194..6443, 6566..6613		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12216	Strand	-
Start	183	End	6613
Name	OJ991013_10.0110.C19.o1.np	Method	AAT/NAP
Start	5541	End	6613
GI	5668778	Score	537
Exons	5541..5694, 5777..5915, 5967..6119, 6194..6443, 6566..6613		
GI Descrip.	(AC007894) F21H2.2 [Arabidopsis thaliana]		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12217	Strand	-
Start	7904	End	11022
Name	OJ991013_10.0110.C19.o2.np	Method	AAT/NAP
Start	7904	End	10978
GI	2245004	Score	1569
Exons	7904..9022, 9727..10170, 10277..10347, 10843..10978		
GI Descrip.	(Z97341) membrane transporter like protein [Arabidopsis thaliana]		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12217	Strand	-
Start	7904	End	11022
Name	OJ991013_10.0110.C19.o1.gp	Method	AAT/GAP
Start	9945	End	11022
GI	24794_1.R1084	Score	902
Exons	9945..10170, 10277..10347, 10843..11022		
GI Descrip.	'2245004/emb CAB10424.1 1.0e-38 (Z97341) membrane transporter like protein [Arabidopsis thaliana]'		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12218	Strand	-
Start	14340	End	14726
Name	OJ991013_10.0110.C19.o2.gp	Method	AAT/GAP
Start	14340	End	14726
GI	91923_1.R1084	Score	538
Exons	14340..14513, 14534..14726		

GI Descrip. '4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.tm	Method	TBLASTX:Maize
Start	5655	End	6252
GI	none	Score	54
Exons	5655..5708, 5659..5697, 5749..5883, 5767..5916, 5777..5884, 5962..6117, 5968..6117, 5969..6118, 5976..6143, 6189..6251, 6190..6252		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.ts	Method	TBLASTX:Soybean
Start	5962	End	6446
GI	none	Score	81
Exons	5962..6111, 5969..6094, 6198..6446, 6199..6444		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.tc	Method	TBLASTX:Cress
Start	6079	End	6616
GI	none	Score	102
Exons	6079..6117, 6180..6446, 6223..6444, 6566..6616		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tw	Method	TBLASTX:Wheat
Start	7937	End	8243
GI	none	Score	355
Exons	7937..8242, 7938..8243		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tm	Method	TBLASTX:Maize
Start	8066	End	8339
GI	none	Score	375
Exons	8066..8338, 8067..8339		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tc	Method	TBLASTX:Cress
Start	8069	End	8338
GI	none	Score	245
Exons	8069..8338, 8070..8321		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.ts	Method	TBLASTX:Soybean

Start	8091	End	9973
GI	none	Score	247
Exons	8091..8339, 8093..8338, 8456..8518, 8531..8887, 8553..8879, 8981..9025, 9727..9969, 9731..9973		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o4.tm	Method	TBLASTX:Maize
Start	8687	End	8860
GI	none	Score	124
Exons	8687..8860, 8694..8843		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.tc	Method	TBLASTX:Cress
Start	9730	End	9973
GI	none	Score	292
Exons	9730..9969, 9737..9973		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.ts	Method	TBLASTX:Soybean
Start	10009	End	10976
GI	none	Score	72
Exons	10009..10176, 10269..10349, 10277..10348, 10835..10975, 10836..10976		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o4.tc	Method	TBLASTX:Cress
Start	10009	End	10952
GI	none	Score	37
Exons	10009..10176; 10076..10180, 10277..10348, 10281..10349, 10818..10952, 10835..10951		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.tm	Method	TBLASTX:Maize
Start	10829	End	11011
GI	none	Score	201
Exons	10829..10978, 10842..10985, 10895..11011		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.np	Method	AAT/NAP
Start	18451	End	19112
GI	6091738	Score	266
Exons	18451..18800, 19066..19112		
GI Descrip.	(AC010797) putative glutaredoxin [Arabidopsis thaliana] gi 6513931 gb AAF14835.1 AC011664_17 (AC011664) putative glutaredoxin [Arabidopsis thaliana]		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.ol.np	Method	AAT/NAP
Start	1	End	356
GI	2501357	Score	388
Exons	1..356		
GI Descrip.	1-DEOXYXYLULOSE-5-PHOSPHATE SYNTHASE (DXP SYNTHASE) gi 1773104 (U82664) similar to H. influenzae HI1439 [Escherichia coli] gi 1786622 (AE000148) 1-deoxyxylulose-5-phosphate synthase; flavoprotein [Escherichia coli] gi 2665586 (AF035440) D-1-deoxyxylulose 5-phosphate synthase [Escherichia coli]		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.ol.tc	Method	TBLASTX:Cress
Start	4	End	355
GI	none	Score	64
Exons	4..99, 160..261, 274..354, 275..355		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.ol.ts	Method	TBLASTX:Soybean
Start	4	End	355
GI	none	Score	69
Exons	4..99, 106..156, 178..258, 274..354, 275..355		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.ol.gs	Method	GENSCAN
Start	63	End	342
GI	none	Score	.92
Exons	63..342		

Seq. No.	5793	Seq. ID	OJ991013_12.0112.C3
Gene No.	12221	Strand	-
Start	1	End	650
Name	OJ991013_12.0112.C3.ol.np	Method	AAT/NAP
Start	1	End	650
GI	2245072	Score	210
Exons	1..129, 214..376, 455..650		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5794	Seq. ID	OJ991013_12.0112.C4
Gene No.	12222	Strand	-
Start	316	End	624
Name	OJ991013_12.0112.C4.ol.tm	Method	TBLASTX:Maize
Start	316	End	624
GI	none	Score	113
Exons	316..489, 331..489, 501..575, 502..561, 558..623, 562..624		

Seq. No.	5795	Seq. ID	OJ991013_12.0112.C5
Gene No.	12223	Strand	-

Start	1	End	392
Name	OJ991013_12.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	389
GI	2245071	Score	229
Exons	1..120, 249..389		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5795	Seq. ID	OJ991013_12.0112.C5
Gene No.	12223	Strand	-
Start	1	End	392
Name	OJ991013_12.0112.C5.o1.gs	Method	GENSCAN
Start	249	End	392
GI	none	Score	.74
Exons	249..392		

Seq. No.	5796	Seq. ID	OJ991013_12.0112.C6
Gene No.	12224	Strand	-
Start	1	End	729
Name	OJ991013_12.0112.C6.o1.np	Method	AAT/NAP
Start	1	End	729
GI	2245072	Score	97
Exons	1..100, 177..275, 485..580, 662..729		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.gs	Method	GENSCAN
Start	810	End	2725
GI	none	Score	.76
Exons	810..968, 1048..1161, 1432..1632, 2384..2725		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.np	Method	AAT/NAP
Start	1066	End	2740
GI	2245069	Score	788
Exons	1066..1323, 1432..1632, 1741..1793, 1911..2019, 2384..2740		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.gp	Method	AAT/GAP
Start	1091	End	2034
GI	2799772	Score	1068
Exons	1091..1323, 1432..1632, 1741..1793, 1911..2034		
GI Descrip.	2245069/emb CAB10492.1 1.0e-29 (Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12226	Strand	+
Start	8571	End	11543
Name	OJ991013_12.0112.C8.o3.gs	Method	GENSCAN
Start	8571	End	11543
GI	none	Score	.73

Exons 8571..9091, 10044..10254, 10475..10585, 10752..11543

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12226	Strand	+
Start	8571	End	11543
Name	OJ991013_12.0112.C8.o2.np	Method	AAT/NAP
Start	8718	End	11531
GI	5302810	Score	1619
Exons	8718..9091, 10044..10254, 10475..10585, 10752..11531		
GI Descrip.	(297342) putative beta-amylase [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12227	Strand	-
Start	3817	End	7704
Name	OJ991013_12.0112.C8.o2.gs	Method	GENSCAN
Start	3817	End	7704
GI	none	Score	.68
Exons	3817..3920, 4049..4185, 4727..4888, 4997..5090, 6542..6632, 7436..7580, 7649..7704		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tm	Method	TBLASTX:Maize
Start	1024	End	1629
GI	none	Score	460
Exons	1024..1332, 1078..1326, 1419..1460, 1423..1461, 1458..1523, 1459..1533, 1521..1622, 1534..1629, 1534..1620		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.ts	Method	TBLASTX:Soybean
Start	1540	End	2506
GI	none	Score	75
Exons	1540..1632, 1738..1797, 1749..1796, 1911..2021, 1912..2022, 2383..2505, 2384..2506		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.tm	Method	TBLASTX:Maize
Start	1738	End	2786
GI	none	Score	110
Exons	1738..1797, 1738..1797, 1743..1799, 1910..2020, 1911..2021, 1912..2022, 2383..2640, 2383..2718, 2384..2716, 2745..2786		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.ts	Method	TBLASTX:Soybean
Start	8820	End	11492
GI	none	Score	42
Exons	8820..8846, 8922..9104, 9044..9124, 10038..10259, 10039..10260, 10041..10259, 10473..10583, 10474..10584, 10475..10591, 10481..10585, 10749..11285, 10751..10930, 10985..11203, 11327..11482, 11328..11492		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.tm	Method	TBLASTX:Maize
Start	8922	End	11429
GI	none	Score	231
Exons	8922..9086, 8969..9124, 10035..10259, 10041..10259, 10042..10260, 10454..10591, 10474..10584, 10749..10877, 10751..10891, 10811..10930, 10875..11285, 10875..10958, 10994..11203, 11118..11285, 11328..11417, 11337..11429		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tc	Method	TBLASTX:Cress
Start	8922	End	10227
GI	none	Score	256
Exons	8922..9104, 9038..9124, 10035..10217, 10035..10226, 10039..10227		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tw	Method	TBLASTX:Wheat
Start	8922	End	9103
GI	none	Score	218
Exons	8922..9083, 9047..9103		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tw	Method	TBLASTX:Wheat
Start	10089	End	14149
GI	none	Score	70
Exons	10089..10247, 13831..14148, 13838..14149, 13979..14149		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tc	Method	TBLASTX:Cress
Start	10483	End	11492
GI	none	Score	198
Exons	10483..10584, 10484..10591, 10484..10585, 10749..11210, 10805..11203, 11253..11285, 11327..11485, 11328..11492		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.tw	Method	TBLASTX:Wheat
Start	10818	End	11165
GI	none	Score	141
Exons	10818..11000, 10890..10958, 10988..11164, 10989..11165		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.gp	Method	AAT/GAP

Start 12233 End 12847
 GI uC-osflcyp117a10a1 Score 832
 Exons 12233..12469, 12635..12847
 GI Descrip. '3258570 5.0e-20 (U89959) Unknown protein [Arabidopsis thaliana]'

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569
 Name OJ991013_12.0112.C8.o2.ts Method TBLASTX:Soybean
 Start 12407 End 14143
 GI none Score 80
 Exons 12407..12472, 12411..12473, 12645..12710, 12696..12734,
 12713..12865, 12714..12851, 13067..13189, 13068..13193,
 13087..13194, 13830..14138, 13831..14142, 13832..14143

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569
 Name OJ991013_12.0112.C8.o4.gs Method GENSCAN
 Start 12410 End 19498
 GI none Score .56
 Exons 12410..12469, 12635..12666, 12727..12850, 13067..13187,
 13832..14162, 14771..15374, 16063..16117, 16343..16512,
 16620..16878, 18984..19498

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569
 Name OJ991013_12.0112.C8.o3.np Method AAT/NAP
 Start 12413 End 15186
 GI 3258570 Score 1241
 Exons 12413..12469, 12635..12886, 13067..13184, 13796..14162,
 14771..15186
 GI Descrip. (U89959) Unknown protein [Arabidopsis thaliana]

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569
 Name OJ991013_12.0112.C8.o5.tm Method TBLASTX:Maize
 Start 12725 End 14864
 GI none Score 67
 Exons 12725..12784, 12788..12859, 13067..13189, 13101..13190,
 13831..14157, 13831..14178, 13832..14164, 14772..14864,
 14773..14862

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569
 Name OJ991013_12.0112.C8.o2.tc Method TBLASTX:Cress
 Start 13831 End 14831
 GI none Score 315
 Exons 13831..14151, 13832..14140, 13944..14156, 14772..14831

Seq. No. 5797 Seq. ID OJ991013_12.0112.C8
 Gene No. 12228 Strand -
 Start 12410 End 19569

Name	OJ991013_12.0112.C8.o3.gp	Method	AAT/GAP
Start	14112	End	15240
GI	20266_1.R1084	Score	938
Exons	14112..14162, 14771..15240		
GI Descrip.	'3258570 9.0e-17 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o6.tm	Method	TBLASTX:Maize
Start	14865	End	15140
GI	none	Score	107
Exons	14865..14912, 15036..15140, 15052..15117, 15087..15134		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.gp	Method	AAT/GAP
Start	15779	End	16228
GI	none	Score	861
Exons	15779..16228		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o5.gp	Method	AAT/GAP
Start	16260	End	16744
GI	none	Score	664
Exons	16260..16512, 16620..16744		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tm	Method	TBLASTX:Maize
Start	16285	End	19354
GI	none	Score	45
Exons	16285..16317, 16289..16342, 16329..16514, 16333..16515, 16436..16516, 16618..16797, 16620..16880, 16701..16874, 16701..16832, 16702..16797, 16704..16877, 16704..16865, 16713..16874, 16720..16797, 16834..16881, 18965..19117, 18977..19117, 18977..19135, 18977..19135, 18977..19132, 18978..19247, 18978..19286, 18979..19200, 19014..19247, 19047..19244, 19190..19351, 19190..19288, 19196..19351, 19202..19354, 19202..19333, 19214..19351		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.np	Method	AAT/NAP
Start	16345	End	19569
GI	3668087	Score	1035
Exons	16345..16512, 16620..16878, 18984..19569		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-

Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.ts	Method	TBLASTX:Soybean
Start	16360	End	19351
GI	none	Score	72
Exons	16360..16530, 16618..16797, 16618..16668, 16619..16876, 16620..16907, 16620..16880, 16704..16877, 16720..16794, 16796..16876, 18971..19057, 18977..19132, 18977..19117, 18977..19057, 18978..19196, 19047..19244, 19091..19135, 19101..19250, 19193..19333, 19202..19327, 19214..19351		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.tc	Method	TBLASTX:Cress
Start	16690	End	19351
GI	none	Score	100
Exons	16690..16794, 16692..16880, 16704..16829, 16837..16881, 18977..19117, 18978..19118, 19013..19135, 19014..19187, 19086..19250, 19205..19327, 19223..19351		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12229	Strand	+
Start	842	End	1435
Name	OJ991013_12.0112.C9.o1.gs	Method	GENSCAN
Start	842	End	1435
GI	none	Score	.92
Exons	842..850, 1202..1319, 1413..1435		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12230	Strand	+
Start	10474	End	15276
Name	OJ991013_12.0112.C9.o2.np	Method	AAT/NAP
Start	10474	End	15276
GI	5295971	Score	8144
Exons	10474..15276		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12230	Strand	+
Start	10474	End	15276
Name	OJ991013_12.0112.C9.o9.gp	Method	AAT/GAP
Start	12763	End	13118
GI	uC-osflcyp139c12a1	Score	589
Exons	12763..13118		
GI Descrip.	'5295971/dbj BAA81872.1 -3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12231	Strand	+
Start	16653	End	19347
Name	OJ991013_12.0112.C9.o4.gs	Method	GENSCAN
Start	16653	End	19003
GI	none	Score	.94

Exons 16653..16655, 17294..17453, 18302..18431, 18597..18726,
18929..19003

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12231 Strand +
Start 16653 End 19347
Name OJ991013_12.0112.C9.o12.gp Method AAT/GAP
Start 18604 End 19005
GI 200_1.R1084 Score 354
Exons 18604..18726, 18929..19005
GI Descrip. '1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza sativa]'

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12231 Strand +
Start 16653 End 19347
Name OJ991013_12.0112.C9.o3.np Method AAT/NAP
Start 18604 End 19347
GI 1944000 Score 273
Exons 18604..18726, 18929..19003, 19137..19347
GI Descrip. (AB002109) protein kinase [Oryza sativa]

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12232 Strand -
Start 2313 End 7134
Name OJ991013_12.0112.C9.o1.gp Method AAT/GAP
Start 2313 End 4034
GI 3724_1.R1084 Score 1543
Exons 2313..2672, 3193..3358, 3451..3560, 3823..4034
GI Descrip. '4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12232 Strand -
Start 2313 End 7134
Name OJ991013_12.0112.C9.o1.np Method AAT/NAP
Start 2542 End 7016
GI 6016428 Score 957
Exons 2542..2672, 3193..3358, 3451..3560, 3823..4039, 6774..7016
GI Descrip. PUTATIVE CASEIN KINASE II BETA-4 CHAIN (CK II)
gi|3341688|gb|AAC27470.1| (AC003672) putative casein kinase II beta subunit [Arabidopsis thaliana]

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12232 Strand -
Start 2313 End 7134
Name OJ991013_12.0112.C9.o2.gs Method GENSCAN
Start 3250 End 6984
GI none Score .65
Exons 3250..3282, 3317..3358, 3451..3560, 3823..4044, 5204..5331, 6275..6341, 6774..6984

Seq. No. 5798 Seq. ID OJ991013_12.0112.C9
Gene No. 12232 Strand -
Start 2313 End 7134
Name OJ991013_12.0112.C9.o2.gp Method AAT/GAP

Start	6777	End	7134
GI	none	Score	547
Exons	6777..7134		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12233	Strand	-
Start	7677	End	8840
Name	OJ991013_12.0112.C9.o3.gp	Method	AAT/GAP
Start	7677	End	8840
GI	77081_1.R1084	Score	591
Exons	7677..7907, 8737..8840		
GI Descrip.	'3309082/gb AAC26008.1 2.0e-17 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12234	Strand	-
Start	8809	End	9323
Name	OJ991013_12.0112.C9.o4.gp	Method	AAT/GAP
Start	8809	End	9323
GI	uC-osflcyp065b08b1	Score	272
Exons	8809..8849, 8949..9029, 9250..9323		
GI Descrip.	'3309082/gb AAC26008.1 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12235	Strand	-
Start	9245	End	9491
Name	OJ991013_12.0112.C9.o5.gp	Method	AAT/GAP
Start	9245	End	9491
GI	uC-osflcyp065b08b1	Score	260
Exons	9245..9302, 9383..9491		
GI Descrip.	'3309082/gb AAC26008.1 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12235	Strand	-
Start	9245	End	9491
Name	OJ991013_12.0112.C9.o6.gp	Method	AAT/GAP
Start	9245	End	9491
GI	uC-osflcyp065b08b1	Score	295
Exons	9245..9302, 9383..9491		
GI Descrip.	'3309082/gb AAC26008.1 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12236	Strand	-
Start	9947	End	10263
Name	OJ991013_12.0112.C9.o7.gp	Method	AAT/GAP
Start	9947	End	10263
GI	86158_1.R1084	Score	392
Exons	9947..10111, 10136..10263		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12237	Strand	-
Start	12319	End	12754

Name	OJ991013_12.0112.C9.o8.gp	Method	AAT/GAP
Start	12319	End	12754
GI	uC-osflM2020118f01a1	Score	809
Exons	12319..12754		
GI Descrip.	'5295971/dbj BAA81872.1 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12238	Strand	-
Start	14448	End	14902
Name	OJ991013_12.0112.C9.o10.gp	Method	AAT/GAP
Start	14448	End	14902
GI	36280_1.R1084	Score	866
Exons	14448..14902		
GI Descrip.	'5295971/dbj BAA81872.1 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tc	Method	TBLASTX:Cress
Start	2491	End	4027
GI	none	Score	118
Exons	2491..2673, 2548..2673, 3188..3358, 3189..3359, 3448..3561, 3452..3562, 3789..3983, 3815..3979, 3850..4023, 3867..4022, 3892..4023, 3965..4027		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tm	Method	TBLASTX:Maize
Start	2527	End	6985
GI	none	Score	199
Exons	2527..2673, 2528..2671, 3187..3357, 3188..3358, 3189..3359, 3189..3359, 3193..3366, 3429..3545, 3448..3558, 3452..3559, 3789..3983, 3818..4042, 3820..4038, 3872..4039, 6689..6766, 6798..6824, 6865..6942, 6872..6943, 6892..6969, 6894..6956, 6938..6985		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.ts	Method	TBLASTX:Soybean
Start	2548	End	6997
GI	none	Score	147
Exons	2548..2673, 2548..2673, 3188..3358, 3189..3359, 3448..3561, 3449..3562, 3789..3983, 3815..3979, 3819..4037, 3820..4038, 3850..4041, 3965..4039, 6868..6948, 6872..6934, 6950..6997		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o9.tm	Method	TBLASTX:Maize

Start	7799	End	16986
GI	none	Score	125
Exons	7799..7909, 7812..7922, 7818..7913, 8736..8852, 8737..8850, 8738..8851, 8940..9032, 8949..9032, 8950..9039, 9245..9301, 9247..9300, 9249..9302, 9342..9494, 9376..9492, 9383..9499, 9583..9678, 9601..9666, 9606..9668, 16678..16764, 16688..16771, 16690..16752, 16914..16982, 16918..16986		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tc	Method	TBLASTX:Cress
Start	7844	End	9678
GI	none	Score	90
Exons	7844..7909, 7845..7913, 8736..8852, 8737..8850, 8943..9032, 9247..9300, 9379..9492, 9384..9494, 9580..9678, 9606..9668		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.tw	Method	TBLASTX:Wheat
Start	7856	End	9668
GI	none	Score	54
Exons	7856..7909, 7857..7910, 8949..9032, 9244..9300, 9245..9295, 9343..9501, 9384..9494, 9606..9668, 9616..9666		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.ts	Method	TBLASTX:Soybean
Start	8943	End	16771
GI	none	Score	94
Exons	8943..9032, 9247..9300, 9343..9492, 9387..9494, 9606..9668, 9607..9759, 16688..16771, 16690..16752		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o7.tm	Method	TBLASTX:Maize
Start	10866	End	11158
GI	none	Score	360
Exons	10866..11081, 10867..11157, 10936..11157, 11096..11158		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	11391	End	12111
GI	none	Score	262
Exons	11391..11666, 11392..11667, 11409..11666, 11649..11681, 11686..12111, 11687..12010, 11932..12111		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tw	Method	TBLASTX:Wheat
Start	12036	End	12489

GI	none	Score	334
Exons	12036..12341, 12037..12402, 12040..12429, 12397..12489, 12409..12489		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o8.tm	Method	TBLASTX:Maize
Start	12126	End	12366
GI	none	Score	304
Exons	12126..12365, 12127..12366		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.ts	Method	TBLASTX:Soybean
Start	12427	End	12702
GI	none	Score	194
Exons	12427..12702, 12523..12603		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tw	Method	TBLASTX:Wheat
Start	12562	End	13113
GI	none	Score	105
Exons	12562..12702, 12760..13026, 12777..12926, 13029..13100, 13033..13113		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tm	Method	TBLASTX:Maize
Start	12765	End	13191
GI	none	Score	700
Exons	12765..13190, 12769..13191		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.ts	Method	TBLASTX:Soybean
Start	12796	End	13275
GI	none	Score	348
Exons	12796..13104, 12801..13091, 13129..13275		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tc	Method	TBLASTX:Cress
Start	12811	End	13251
GI	none	Score	203
Exons	12811..13107, 12861..12893, 12951..13097, 13129..13251		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.ts	Method	TBLASTX:Soybean

Start	13726	End	14223
GI	5509260	Score	423
Exons	13726..14223, 13806..13982, 14046..14204		
GI Descrip.	-		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.tm	Method	TBLASTX:Maize
Start	13777	End	14073
GI	none	Score	387
Exons	13777..14073, 13803..14072		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tc	Method	TBLASTX:Cress
Start	13848	End	14112
GI	none	Score	244
Exons	13848..13979, 13849..14112		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tw	Method	TBLASTX:Wheat
Start	13893	End	14448
GI	none	Score	317
Exons	13893..13982, 13894..14238, 14047..14214, 14049..14234, 14224..14448		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tm	Method	TBLASTX:Maize
Start	14275	End	14664
GI	none	Score	603
Exons	14275..14664, 14275..14664		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tw	Method	TBLASTX:Wheat
Start	14449	End	14760
GI	none	Score	64
Exons	14449..14556, 14581..14760		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tc	Method	TBLASTX:Cress
Start	14581	End	15243
GI	none	Score	255
Exons	14581..14868, 14643..14753, 14775..14867, 14877..14954, 14878..14958, 15025..15243, 15033..15239		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-

Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.ts	Method	TBLASTX:Soybean
Start	14602	End	15252
GI	none	Score	147
Exons	14602..14763, 14775..14936, 14776..14964, 15019..15252, 15033..15119		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o11.tm	Method	TBLASTX:Maize
Start	14664	End	14847
GI	none	Score	199
Exons	14664..14846, 14665..14847		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tw	Method	TBLASTX:Wheat
Start	14794	End	15213
GI	none	Score	124
Exons	14794..14964, 14877..14954, 15010..15213, 15033..15200		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tm	Method	TBLASTX:Maize
Start	14853	End	15242
GI	none	Score	512
Exons	14853..14960, 14854..15240, 14856..15242, 14885..15118, 14935..15240, 15018..15242		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o11.gp	Method	AAT/GAP
Start	15287	End	15600
GI	86158_1.R1084	Score	387
Exons	15287..15448, 15473..15600		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12240	Strand	-
Start	18586	End	19014
Name	OJ991013_12.0112.C9.o10.tm	Method	TBLASTX:Maize
Start	18586	End	19014
GI	none	Score	203
Exons	18586..18729, 18603..18725, 18604..18729, 18926..19006, 18928..19014, 18928..19005		

Seq. No.	5799	Seq. ID	OJ991013_12.0112.C10
Gene No.	12241	Strand	+
Start	1	End	1274
Name	OJ991013_12.0112.C10.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	2245070	Score	55

Exons 1..39, 981..1105, 1218..1274
 GI Descrip. (Z97342) hypothetical protein [Arabidopsis thaliana]

Seq. No.	5800	Seq. ID	OJ991013_12.0112.C11
Gene No.	12242	Strand	+
Start	131	End	976
Name	OJ991013_12.0112.C11.o1.gs	Method	GENSCAN
Start	131	End	976
GI	none	Score	.83
Exons	131..228, 301..453, 890..976		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12243	Strand	+
Start	19586	End	21621
Name	OJ991013_12.0112.C12.o4.gs	Method	GENSCAN
Start	19586	End	21621
GI	none	Score	.85
Exons	19586..19720, 20121..20388, 20468..20593, 21479..21621		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o1.np	Method	AAT/NAP
Start	1	End	2010
GI	2245072	Score	522
Exons	1..238, 315..505, 1064..1165, 1592..1861, 1915..2010		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o1.gs	Method	GENSCAN
Start	315	End	6073
GI	none	Score	.81
Exons	315..497, 1739..1856, 1928..2022, 2196..2246, 2331..2465, 2557..2660, 3473..3638, 3873..3951, 4444..4762, 4861..4925, 5257..5374, 6001..6073		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o2.np	Method	AAT/NAP
Start	1602	End	3282
GI	4007096	Score	62
Exons	1602..1658, 2331..2465, 2557..2697, 3223..3282		
GI Descrip.	(AL031276) dJ1118D24.1d (part of novel protein similar to worm proteins T08G11.1 and C25H3.9) [Homo sapiens]		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12245	Strand	-
Start	12232	End	18679
Name	OJ991013_12.0112.C12.o3.gs	Method	GENSCAN
Start	12232	End	18679
GI	none	Score	.43
Exons	12232..12504, 13123..13671, 13777..14084, 14168..14363, 17161..17393, 17739..17937, 17948..18371, 18660..18679		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.ts	Method	TBLASTX:Soybean
Start	20103	End	20628
GI	none	Score	245
Exons	20103..20456, 20234..20428, 20505..20600, 20524..20628		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	20190	End	20480
GI	none	Score	359
Exons	20190..20342, 20199..20480, 20200..20424, 20213..20470		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o2.tw	Method	TBLASTX:Wheat
Start	20253	End	20625
GI	none	Score	175
Exons	20253..20498, 20491..20625, 20496..20600		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o2.tm	Method	TBLASTX:Maize
Start	20701	End	21168
GI	none	Score	39
Exons	20701..20718, 20721..20897, 20729..20890, 20888..21070, 21092..21139, 21136..21168		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.tw	Method	TBLASTX:Wheat
Start	20900	End	21261
GI	none	Score	176
Exons	20900..21139, 21136..21261, 21159..21260		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o5.gs	Method	GENSCAN
Start	22683	End	22893
GI	none	Score	.48
Exons	22683..22893		

Seq. No.	5802	Seq. ID	OJ991013_12.0112.C13
Gene No.	12247	Strand	+
Start	443	End	614
Name	OJ991013_12.0112.C13.o1.gs	Method	GENSCAN
Start	443	End	614
GI	none	Score	.97
Exons	443..614		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.gs	Method	GENSCAN
Start	312	End	2764
GI	none	Score	.79
Exons	312..604, 688..808, 1199..1286, 1377..1607, 1701..1868, 2138..2331, 2645..2764		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.gp	Method	AAT/GAP
Start	469	End	1429
GI	72807 1.R1084	Score	745
Exons	469..604, 942..1103, 1199..1286, 1377..1429		
GI Descrip.	'5042437/gb AC007789.1 AC007789 6.0e-22 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o2.tm	Method	TBLASTX:Maize
Start	940	End	1106
GI	none	Score	213
Exons	940..1101, 942..1106		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.tm	Method	TBLASTX:Maize
Start	1475	End	2164
GI	none	Score	157
Exons	1475..1606, 1477..1605, 1483..1608, 1695..1871, 1699..1878, 1700..1879, 2129..2164		

Seq. No.	5804	Seq. ID	OJ991013_12.0112.C16
Gene No.	12249	Strand	+
Start	323	End	3450
Name	OJ991013_12.0112.C16.o1.gs	Method	GENSCAN
Start	323	End	3448
GI	none	Score	.79
Exons	323..464, 886..910, 1303..1379, 1804..1998, 2552..2624, 2700..2786, 2971..3108, 3246..3448		

Seq. No.	5804	Seq. ID	OJ991013_12.0112.C16
Gene No.	12249	Strand	+
Start	323	End	3450
Name	OJ991013_12.0112.C16.o1.tm	Method	TBLASTX:Maize
Start	1916	End	3450
GI	none	Score	102
Exons	1916..2008, 1924..2010, 1928..1996, 2545..2616, 2546..2623, 2550..2624, 2550..2624, 2685..2789, 2697..2786, 2698..2790, 2949..3107, 2966..3130, 2968..3111, 2969..3121, 3236..3379, 3243..3449, 3244..3450, 3244..3423		

Seq. No.	5805	Seq. ID	OJ991213_05.0110.C1
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Gene No.	12250	Strand	-
Start	1	End	792
Name	OJ991213_05.0110.C1.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6006359	Score	54
Exons	1..79, 633..718		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5805	Seq. ID	OJ991213_05.0110.C1
Gene No.	12250	Strand	-
Start	1	End	792
Name	OJ991213_05.0110.C1.o1.gs	Method	GENSCAN
Start	514	End	792
GI	none	Score	.86
Exons	514..792		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12251	Strand	+
Start	361	End	6127
Name	OJ991213_05.0110.C2.o1.gs	Method	GENSCAN
Start	361	End	6127
GI	none	Score	.44
Exons	361..421, 608..731, 1590..1655, 1712..1821, 2171..2863, 3037..3603, 4603..4699, 4998..5216, 5962..6127		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12251	Strand	+
Start	361	End	6127
Name	OJ991213_05.0110.C2.o1.np	Method	AAT/NAP
Start	2329	End	5006
GI	130593	Score	406
Exons	2329..2431, 3893..5006		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi 76775 pir S00854 hypothetical protein 5 - carnation etched ring virus gi 58863 emb CAA28360 (X04658) pot. ORF 5 (AA 1-659) [Carnation etched ring virus] gi 225356 prf 1301227E ORF 5 [Carnation etched ring virus]		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o1.tw	Method	TBLASTX:Wheat
Start	3922	End	4299
GI	none	Score	66
Exons	3922..4065, 4054..4299		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o1.gp	Method	AAT/GAP
Start	6803	End	6897
GI	5867_1.R1084	Score	134
Exons	6803..6897		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674		

ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.gp	Method	AAT/GAP
Start	6974	End	7076
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	6974..7076		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.gs	Method	GENSCAN
Start	7484	End	10797
GI	none	Score	.48
Exons	7484..7577, 7815..7889, 7909..8023, 8167..8669, 8799..9298, 9889..10797		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.np	Method	AAT/NAP
Start	7788	End	9315
GI	6539588	Score	161
Exons	7788..8038, 9284..9315		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	498
GI	2494855	Score	338
Exons	1..498		
GI Descrip.	PROBABLE HYDROXYACYLGLUTATHIONE HYDROLASE (GLYOXALASE II) (GLX II) gi 1652024 dbj BAA16950 (D90901) glyoxalase II [Synechocystis sp.]		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	34	End	482
GI	none	Score	83
Exons	34..150, 148..345, 174..344, 348..482		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.ts	Method	TBLASTX:Soybean

Start	34	End	482
GI	none	Score	91
Exons	34..156, 172..345, 180..344, 345..482		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.gs	Method	GENSCAN
Start	68	End	385
GI	none	Score	.46
Exons	68..385		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	112	End	485
GI	none	Score	56
Exons	112..150, 159..278, 160..252, 259..345, 261..344, 345..485		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o2.np	Method	AAT/NAP
Start	1	End	7254
GI	6572067	Score	433
Exons	1..79, 2187..2257, 2333..2433, 3338..3469, 5745..5780, 5880..5920, 6106..6185, 6809..6902, 7077..7254		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o1.gs	Method	GENSCAN
Start	1376	End	10905
GI	none	Score	.9
Exons	1376..1458, 1758..1872, 2187..2257, 3338..3437, 5894..6002, 6106..6178, 6809..6902, 7077..7166, 8433..8621, 10289..10432, 10468..10905		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o1.gp	Method	AAT/GAP
Start	8451	End	8753
GI	none	Score	558
Exons	8451..8753		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o4.np	Method	AAT/NAP
Start	9138	End	12076
GI	4335745	Score	78
Exons	9138..9225, 10425..10656, 12032..12076		
GI Descrip.	(AC006284) putative esterase [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12255	Strand	+
Start	12273	End	14223
Name	OJ991213_05.0110.C6.o3.gs	Method	GENSCAN
Start	12273	End	14223
GI	none	Score	.53
Exons	12273..12555, 13136..13259, 13355..13536, 13943..14223		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12256	Strand	-
Start	1	End	5857
Name	OJ991213_05.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	5857
GI	6069646	Score	504
Exons	1..78, 571..1285, 1557..1904, 5822..5857		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12257	Strand	-
Start	9622	End	13443
Name	OJ991213_05.0110.C6.o3.np	Method	AAT/NAP
Start	9622	End	13443
GI	3810596	Score	183
Exons	9622..10054, 10608..10783, 11019..11208, 12615..12737, 13386..13443		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12257	Strand	-
Start	9622	End	13443
Name	OJ991213_05.0110.C6.o2.gs	Method	GENSCAN
Start	11292	End	11676
GI	none	Score	.57
Exons	11292..11605, 11610..11676		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	332	End	879
GI	none	Score	40
Exons	332..349, 406..507, 430..555, 550..792, 554..784, 571..855, 788..874, 793..879		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tw	Method	TBLASTX:Wheat
Start	595	End	784
GI	none	Score	67
Exons	595..780, 596..784		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.tm	Method	TBLASTX:Maize
Start	1349	End	1863
GI	none	Score	45
Exons	1349..1405, 1353..1403, 1436..1717, 1440..1715, 1720..1863, 1773..1844		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o5.tm	Method	TBLASTX:Maize
Start	3365	End	7139
GI	none	Score	124
Exons	3365..3445, 3366..3437, 5891..6001, 5891..6001, 5892..6032, 6105..6179, 6106..6180, 6106..6180, 6107..6181, 6108..6182, 6801..6902, 6808..6903, 6809..6904, 6809..6904, 7056..7139, 7077..7139		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o6.tm	Method	TBLASTX:Maize
Start	11063	End	13059
GI	none	Score	74
Exons	11063..11146, 12629..12736, 12734..12868, 12853..13059		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o5.np	Method	AAT/NAP
Start	14852	End	17989
GI	6006864	Score	747
Exons	14852..15186, 15684..15836, 16061..16266, 16363..16603, 16812..16945, 17232..17989		

GI Descrip. (AC009540) hypothetical protein [Arabidopsis thaliana]

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o4.gs	Method	GENSCAN
Start	14944	End	17862
GI	none	Score	.95
Exons	14944..15180, 15684..15786, 15891..15937, 16055..16266, 16363..16603, 16812..16945, 17232..17862		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.tc	Method	TBLASTX:Cress
Start	14962	End	15216
GI	none	Score	78
Exons	14962..15102, 14974..15216, 14975..15121		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-

Start	14944	End	17989
Name	OJ991213_05.0110.C6.o4.tm	Method	TBLASTX:Maize
Start	16052	End	16265
GI	none	Score	130
Exons	16052..16153, 16053..16157, 16172..16261, 16172..16261, 16173..16265		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.ts	Method	TBLASTX:Soybean
Start	16073	End	16436
GI	none	Score	157
Exons	16073..16267, 16074..16268, 16361..16435, 16362..16436		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	16133	End	16947
GI	none	Score	65
Exons	16133..16264, 16155..16244, 16359..16448, 16364..16447, 16448..16603, 16449..16598, 16452..16613, 16818..16946, 16828..16947		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o3.tm	Method	TBLASTX:Maize
Start	16529	End	17602
GI	none	Score	112
Exons	16529..16606, 16530..16604, 16530..16610, 16531..16605, 16532..16606, 16807..16887, 16809..16889, 16810..16887, 16812..16889, 16881..16946, 16903..16947, 17231..17602, 17236..17346, 17410..17580, 17414..17602		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.ts	Method	TBLASTX:Soybean
Start	17488	End	17859
GI	none	Score	62
Exons	17488..17859, 17537..17722		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12259	Strand	+
Start	4230	End	4781
Name	OJ991213_05.0110.C7.o1.gs	Method	GENSCAN
Start	4230	End	4781
GI	none	Score	.66
Exons	4230..4781		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12260	Strand	+
Start	7910	End	11663
Name	OJ991213_05.0110.C7.o4.gs	Method	GENSCAN
Start	7910	End	11105

GI none Score .5
Exons 7910..8404, 8581..9286, 9302..10256, 10339..10468, 10973..11105

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7
Gene No. 12260 Strand +
Start 7910 End 11663
Name OJ991213_05.0110.C7.o3.np Method AAT/NAP
Start 7924 End 11663
GI 6705984 Score 424
Exons 7924..7984, 10349..10808, 11619..11663
GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7
Gene No. 12260 Strand +
Start 7910 End 11663
Name OJ991213_05.0110.C7.o2.np Method AAT/NAP
Start 8183 End 11035
GI 6721562 Score 412
Exons 8183..8404, 8776..9105, 9355..9974, 10992..11035
GI Descrip. (AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]
gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7
Gene No. 12260 Strand +
Start 7910 End 11663
Name OJ991213_05.0110.C7.o4.np Method AAT/NAP
Start 9978 End 11663
GI 6498436 Score 409
Exons 9978..10063, 11182..11663
GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7
Gene No. 12261 Strand -
Start 841 End 941
Name OJ991213_05.0110.C7.o1.gp Method AAT/GAP
Start 841 End 941
GI 44750_1.R1084 Score 154
Exons 841..941
GI Descrip. '1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7
Gene No. 12262 Strand -
Start 843 End 6633
Name OJ991213_05.0110.C7.o1.np Method AAT/NAP
Start 843 End 6610
GI 5734705 Score 71
Exons 843..1054, 5545..5617, 6083..6377, 6500..6610
GI Descrip. (AC008075) F24J5.4 [Arabidopsis thaliana]
gi|6524187|gb|AAF15072.1|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]

Seq. No. 5809 Seq. ID OJ991213_05.0110.C7

Gene No. 12262
 Start 843
 Name OJ991213_05.0110.C7.o2.gs
 Start 5453
 GI none
 Exons 5453..5770

Strand -
 End 6633
 Method GENSCAN
 End 5770
 Score .45

Seq. No. 5809
 Gene No. 12262
 Start 843
 Name OJ991213_05.0110.C7.o3.gs
 Start 6138
 GI none
 Exons 6138..6203, 6250..6399, 6435..6561, 6563..6633

Seq. ID OJ991213_05.0110.C7
 Strand -
 End 6633
 Method GENSCAN
 End 6633
 Score .83

Seq. No. 5809
 Gene No. 12263
 Start 9448
 Name OJ991213_05.0110.C7.o2.tw
 Start 9448
 GI none
 Exons 9448..9492, 9493..9606, 9516..9596, 9565..9840, 9579..9785

Seq. ID OJ991213_05.0110.C7
 Strand -
 End 9840
 Method TBLASTX:Wheat
 End 9840
 Score 64

Seq. No. 5809
 Gene No. 12264
 Start 10334
 Name OJ991213_05.0110.C7.o1.tw
 Start 10334
 GI none
 Exons 10334..10591, 10346..10597, 10369..10596, 10596..10682, 10601..10780, 10610..10762, 10621..10785

Seq. ID OJ991213_05.0110.C7
 Strand -
 End 10813
 Method TBLASTX:Wheat
 End 10785
 Score 263

Seq. No. 5809
 Gene No. 12264
 Start 10334
 Name OJ991213_05.0110.C7.o1.ts
 Start 10373
 GI none
 Exons 10373..10642, 10414..10638, 10430..10642, 10634..10792, 10651..10782

Seq. ID OJ991213_05.0110.C7
 Strand -
 End 10813
 Method TBLASTX:Soybean
 End 10792
 Score 172

Seq. No. 5809
 Gene No. 12264
 Start 10334
 Name OJ991213_05.0110.C7.o1.tm
 Start 10561
 GI none
 Exons 10561..10695, 10562..10795, 10589..10813

Seq. ID OJ991213_05.0110.C7
 Strand -
 End 10813
 Method TBLASTX:Maize
 End 10813
 Score 201

Seq. No. 5810
 Gene No. 12265
 Start 333
 Name OJ991213_05.0110.C8.o1.tw
 Start 296
 GI none
 Exons 296..406, 443..679, 445..531, 737..976, 857..973, 880..978

Seq. ID OJ991213_05.0110.C8
 Strand +
 End 1150
 Method TBLASTX:Wheat
 End 978
 Score 64

Seq. No.	5810	Seq. ID	OJ991213_05.0110.C8
Gene No.	12265	Strand	+
Start	333	End	1150
Name	OJ991213_05.0110.C8.o1.np	Method	AAT/NAP
Start	333	End	1150
GI	6498441	Score	410
Exons	333..739, 794..1150		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5810	Seq. ID	OJ991213_05.0110.C8
Gene No.	12265	Strand	+
Start	333	End	1150
Name	OJ991213_05.0110.C8.o1.gs	Method	GENSCAN
Start	374	End	862
GI	none	Score	.97
Exons	374..862		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12266	Strand	+
Start	1	End	2687
Name	OJ991213_05.0110.C9.o1.np	Method	AAT/NAP
Start	1	End	2687
GI	5902445	Score	2440
Exons	1..1353, 1386..2687		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12266	Strand	+
Start	1	End	2687
Name	OJ991213_05.0110.C9.o1.gs	Method	GENSCAN
Start	181	End	2665
GI	none	Score	.63
Exons	181..1248, 1302..1685, 2123..2245, 2309..2665		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o2.gs	Method	GENSCAN
Start	3303	End	6367
GI	none	Score	.93
Exons	3303..3824, 3974..4070, 4207..4920, 5049..5107, 5178..5372, 5441..5565, 5968..6110, 6285..6367		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o2.np	Method	AAT/NAP
Start	4206	End	5678
GI	6721561	Score	1040
Exons	4206..4968, 5049..5107, 5178..5372, 5610..5678		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o4.np	Method	AAT/NAP
Start	5604	End	7311
GI	6721512	Score	67
Exons	5604..5673, 6899..7014, 7057..7192, 7220..7311		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o3.np	Method	AAT/NAP
Start	5660	End	6392
GI	6907089	Score	274
Exons	5660..6392		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	28	End	411
GI	none	Score	324
Exons	28..411, 63..410		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.tw	Method	TBLASTX:Wheat
Start	84	End	509
GI	none	Score	448
Exons	84..509, 85..507		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	156	End	564
GI	none	Score	65
Exons	156..287, 169..564, 171..323		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o4.tw	Method	TBLASTX:Wheat
Start	654	End	1062
GI	none	Score	203
Exons	654..872, 655..879, 886..1062, 939..1061		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o5.tw	Method	TBLASTX:Wheat
Start	1065	End	6238

GI	none	Score	182
Exons	1065..1355, 1102..1359, 6113..6238		
Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	1563	End	1868
GI	none	Score	343
Exons	1563..1868, 1580..1867		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.tw	Method	TBLASTX:Wheat
Start	1563	End	1946
GI	none	Score	363
Exons	1563..1946, 1571..1945		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o2.tw	Method	TBLASTX:Wheat
Start	2069	End	2678
GI	none	Score	346
Exons	2069..2521, 2218..2325, 2546..2593, 2607..2678		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.tm	Method	TBLASTX:Maize
Start	2291	End	2554
GI	none	Score	186
Exons	2291..2554		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.gs	Method	GENSCAN
Start	8898	End	8933
GI	none	Score	.61
Exons	8898..8933		

Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12269	Strand	+
Start	1	End	5777
Name	OJ991213_05.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	5777
GI	5852180	Score	415
Exons	1..30, 2844..2896, 3866..3983, 4035..4446, 5750..5777		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12269	Strand	+
Start	1	End	5777
Name	OJ991213_05.0110.C11.o1.gs	Method	GENSCAN
Start	199	End	715

GI	none	Score	.72
Exons	199..344, 387..474, 617..715		
Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12270	Strand	-
Start	2745	End	3126
Name	OJ991213_05.0110.C11.o1.gp	Method	AAT/GAP
Start	2745	End	3126
GI	uC-osflcyp033a04b1	Score	651
Exons	2745..3126		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12271	Strand	+
Start	543	End	1352
Name	OJ991213_05.0110.C12.o1.gs	Method	GENSCAN
Start	543	End	1352
GI	none	Score	.89
Exons	543..1352		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12272	Strand	+
Start	1601	End	6118
Name	OJ991213_05.0110.C12.o1.np	Method	AAT/NAP
Start	1601	End	6118
GI	4680179	Score	5363
Exons	1601..2683, 2717..6118		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o2.gp	Method	AAT/GAP
Start	8192	End	8574
GI	uC-osflcyp033a04b1	Score	704
Exons	8192..8574		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o3.gs	Method	GENSCAN
Start	8290	End	16233
GI	none	Score	.54
Exons	8290..8361, 9357..9666, 9855..10645, 10667..11015, 11335..12366, 12884..13830, 14080..14511, 14538..14751, 15793..15858, 15923..16045, 16184..16233		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o3.np	Method	AAT/NAP
Start	9613	End	14888
GI	4206306	Score	1325
Exons	9613..9819, 10779..11234, 11431..13386, 13591..14888		

GI Descrip. (AF049110) prpol [Zea mays]

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o4.np	Method	AAT/NAP
Start	13225	End	14457
GI	4417307	Score	390
Exons	13225..13484, 13642..14457		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12274	Strand	-
Start	6861	End	12053
Name	OJ991213_05.0110.C12.o2.np	Method	AAT/NAP
Start	6861	End	12053
GI	5852180	Score	642
Exons	6861..7273, 7325..7442, 8423..8476, 11983..12053		
GI Descrip.	(AL117265) zhb00010:1 [Oryza sativa]		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12275	Strand	-
Start	17927	End	18087
Name	OJ991213_05.0110.C12.o4.gs	Method	GENSCAN
Start	17927	End	18087
GI	none	Score	.4
Exons	17927..18087		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.tw	Method	TBLASTX:Wheat
Start	1832	End	2194
GI	none	Score	286
Exons	1832..2194, 1847..1996, 1864..2193		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.tm	Method	TBLASTX:Maize
Start	2075	End	2380
GI	none	Score	221
Exons	2075..2380, 2089..2253		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.tm	Method	TBLASTX:Maize
Start	2738	End	3061
GI	none	Score	186
Exons	2738..3061		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.tw	Method	TBLASTX:Wheat

Start	2924	End	3328
GI	none	Score	121
Exons	2924..3184, 3191..3328, 3200..3277, 3262..3321		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.tw	Method	TBLASTX:Wheat
Start	3458	End	12145
GI	none	Score	134
Exons	3458..3637, 3458..3628, 3650..3772, 11736..12143, 11753..12070, 11813..12145, 11862..12092, 12046..12144		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.tm	Method	TBLASTX:Maize
Start	3458	End	12011
GI	none	Score	137
Exons	3458..3637, 11796..12011, 11801..12010		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.ts	Method	TBLASTX:Soybean
Start	3458	End	11942
GI	none	Score	111
Exons	3458..3592, 11574..11792, 11808..11942		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.tm	Method	TBLASTX:Maize
Start	3656	End	12470
GI	none	Score	242
Exons	3656..4084, 3658..3927, 12012..12470, 12014..12070, 12131..12469		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	3704	End	12407
GI	none	Score	57
Exons	3704..3736, 3706..3735, 3740..4099, 3742..3780, 3808..4098, 12114..12407		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.tw	Method	TBLASTX:Wheat
Start	3812	End	12565
GI	none	Score	381
Exons	3812..4114, 3814..4098, 12171..12407, 12440..12565		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851

Name	OJ991213_05.0110.C12.o3.tw	Method	TBLASTX:Wheat
Start	4115	End	12855
GI	none	Score	606
Exons	4115..4540, 4147..4536, 4163..4540, 12727..12855		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.ts	Method	TBLASTX:Soybean
Start	4121	End	12610
GI	none	Score	201
Exons	4121..4366, 4138..4365, 12482..12610		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o3.tm	Method	TBLASTX:Maize
Start	4186	End	12852
GI	none	Score	481
Exons	4186..4536, 4187..4540, 4187..4549, 12619..12852		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.tw	Method	TBLASTX:Wheat
Start	4543	End	5107
GI	none	Score	650
Exons	4543..5106, 4544..5107		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	4814	End	5131
GI	none	Score	89
Exons	4814..4987, 4988..5131, 4990..5130		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o3.ts	Method	TBLASTX:Soybean
Start	4895	End	5156
GI	none	Score	296
Exons	4895..5155, 4900..5154, 4974..5156		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.tm	Method	TBLASTX:Maize
Start	4953	End	5245
GI	none	Score	118
Exons	4953..5141, 4954..5241, 4955..5245		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tw	Method	TBLASTX:Wheat

Start	5114	End	14508
GI	none	Score	697
Exons	5114..5740, 5170..5628, 5486..5737, 14143..14508		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	5294	End	5893
GI	none	Score	231
Exons	5294..5455, 5299..5457, 5302..5448, 5452..5520, 5452..5877, 5453..5893		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.tw	Method	TBLASTX:Wheat
Start	5743	End	6073
GI	none	Score	313
Exons	5743..6009, 5744..6073		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.ts	Method	TBLASTX:Soybean
Start	10730	End	11092
GI	none	Score	195
Exons	10730..11092		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.ts	Method	TBLASTX:Soybean
Start	12777	End	13194
GI	none	Score	77
Exons	12777..12905, 12777..12911, 12778..12915, 12778..12915, 12933..13037, 12952..13194, 13077..13190		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.tw	Method	TBLASTX:Wheat
Start	12967	End	13329
GI	none	Score	196
Exons	12967..13329		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.tm	Method	TBLASTX:Maize
Start	13708	End	14061
GI	none	Score	188
Exons	13708..14061		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851

Name	OJ991213_05.0110.C12.o5.ts	Method	TBLASTX:Soybean
Start	13915	End	14310
GI	none	Score	228
Exons	13915..14310, 14016..14210		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.ts	Method	TBLASTX:Soybean
Start	14649	End	14894
GI	none	Score	248
Exons	14649..14894, 14693..14779, 14855..14890		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.ts	Method	TBLASTX:Soybean
Start	18393	End	18846
GI	none	Score	74
Exons	18393..18653, 18672..18761, 18754..18846		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.tm	Method	TBLASTX:Maize
Start	18405	End	18840
GI	none	Score	94
Exons	18405..18764, 18453..18713, 18565..18759, 18754..18840		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.np	Method	AAT/NAP
Start	18405	End	18851
GI	6630685	Score	422
Exons	18405..18851		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14
Gene No.	12277	Strand	-
Start	1	End	342
Name	OJ991213_05.0110.C14.o1.np	Method	AAT/NAP
Start	1	End	342
GI	6572067	Score	104
Exons	1..169, 247..342		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14
Gene No.	12277	Strand	-
Start	1	End	342
Name	OJ991213_05.0110.C14.o1.tm	Method	TBLASTX:Maize
Start	31	End	342
GI	none	Score	177
Exons	31..159, 48..158, 319..342, 319..342		
Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14

Gene No. 12277
 Start 1
 Name OJ991213_05.0110.C14.o1.gs
 Start 51
 GI none
 Exons 51..184

Strand -
 End 342
 Method GENSCAN
 End 184
 Score .86

Seq. No. 5815
 Gene No. 12278
 Start 160
 Name OJ991013_09.0112.C1.o1.gs
 Start 160
 GI none
 Exons 160..264

Seq. ID OJ991013_09.0112.C1
 Strand -
 End 264
 Method GENSCAN
 End 264
 Score .91

Seq. No. 5816
 Gene No. 12279
 Start 718
 Name OJ991013_09.0112.C2.o1.gs
 Start 718
 GI none
 Exons 718..725, 1579..1683, 1948..2002, 3697..3865, 3904..4116, 4336..4373, 4419..4991

Seq. ID OJ991013_09.0112.C2
 Strand +
 End 4991
 Method GENSCAN
 End 4991
 Score .66

Seq. No. 5816
 Gene No. 12280
 Start 3020
 Name OJ991013_09.0112.C2.o1.gp
 Start 3020
 GI 16982_1.R1084
 Exons 3020..3051, 3750..3971, 4101..4650
 GI Descrip. '5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'

Seq. ID OJ991013_09.0112.C2
 Strand -
 End 4650
 Method AAT/GAP
 End 4650
 Score 1496

Seq. No. 5817
 Gene No. 12281
 Start 646
 Name OJ991013_09.0112.C3.o1.gs
 Start 646
 GI none
 Exons 646..870, 1850..2536

Seq. ID OJ991013_09.0112.C3
 Strand +
 End 2536
 Method GENSCAN
 End 2536
 Score .86

Seq. No. 5817
 Gene No. 12281
 Start 646
 Name OJ991013_09.0112.C3.o1.gp
 Start 2010
 GI none
 Exons 2010..2509

Seq. ID OJ991013_09.0112.C3
 Strand +
 End 2536
 Method AAT/GAP
 End 2509
 Score 823

Seq. No. 5817
 Gene No. 12282
 Start 2496
 Name OJ991013_09.0112.C3.o2.gp
 Start 2496
 GI 21474_1.R1084
 Exons 2496..2642

Seq. ID OJ991013_09.0112.C3
 Strand -
 End 2642
 Method AAT/GAP
 End 2642
 Score 183

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o2.gs	Method	GENSCAN
Start	3010	End	8005
GI	none	Score	.78
Exons	3010..3195, 3275..3373, 3468..3540, 3625..3735, 3832..4005, 4115..4800, 4802..4947, 5073..5214, 5289..5408, 5454..6546, 7437..8005		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o1.np	Method	AAT/NAP
Start	3028	End	6725
GI	4680204	Score	1067
Exons	3028..3165, 3516..3735, 3832..4005, 4115..5214, 5289..6725		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o2.np	Method	AAT/NAP
Start	4047	End	6725
GI	4680204	Score	1004
Exons	4047..5214, 5289..6725		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o6.tw	Method	TBLASTX:Wheat
Start	3666	End	4188
GI	none	Score	68
Exons	3666..3737, 3837..4019, 3844..3969, 4108..4188		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o5.tw	Method	TBLASTX:Wheat
Start	5679	End	6082
GI	none	Score	42
Exons	5679..5774, 5679..5849, 5812..5979, 5844..6080, 5931..6080, 5942..6082, 5972..6082		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.gp	Method	AAT/GAP
Start	8522	End	12613
GI	342_1.R1084	Score	6626
Exons	8522..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o5.gp	Method	AAT/GAP
Start	8524	End	12613
GI	342_1.R1084	Score	6622
Exons	8524..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.gp	Method	AAT/GAP
Start	8531	End	12613
GI	342_1.R1084	Score	6608
Exons	8531..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.gs	Method	GENSCAN
Start	9285	End	11738
GI	none	Score	.92
Exons	9285..11738		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.np	Method	AAT/NAP
Start	9306	End	12616
GI	4680203	Score	3292
Exons	9306..10283, 10560..10790, 10944..12616		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tw	Method	TBLASTX:Wheat
Start	9360	End	10677
GI	none	Score	133
Exons	9360..9452, 9441..9521, 9534..9674, 9535..9675, 9622..9717, 9654..9713, 9720..9764, 9725..9760, 9759..10676, 9774..10136, 9775..10677, 9952..10677		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tc	Method	TBLASTX:Cress
Start	9942	End	10389
GI	none	Score	186
Exons	9942..10379, 9942..10385, 9946..10389		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
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Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tm	Method	TBLASTX:Maize
Start	10320	End	10634
GI	none	Score	61
Exons	10320..10550, 10320..10634, 10348..10623		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.tw	Method	TBLASTX:Wheat
Start	10678	End	11088
GI	none	Score	81
Exons	10678..10764, 10680..10763, 10797..11039, 10837..11019, 11025..11087, 11038..11088		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.ts	Method	TBLASTX:Soybean
Start	11121	End	11363
GI	none	Score	213
Exons	11121..11363		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	11193	End	11651
GI	none	Score	97
Exons	11193..11387, 11397..11651, 11397..11639		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tw	Method	TBLASTX:Wheat
Start	11227	End	11696
GI	none	Score	170
Exons	11227..11433, 11227..11436, 11232..11456, 11436..11528, 11437..11529, 11538..11642, 11542..11631, 11643..11696, 11644..11688		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tc	Method	TBLASTX:Cress
Start	11484	End	11832
GI	none	Score	83
Exons	11484..11825, 11503..11640, 11680..11832		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	11568	End	11994
GI	none	Score	123
Exons	11568..11861, 11583..11807, 11856..11918, 11911..11994,		

11919..11993

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.gs	Method	GENSCAN
Start	11874	End	12617
GI	none	Score	.78
Exons	11874..12617		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.tw	Method	TBLASTX:Wheat
Start	11910	End	12266
GI	none	Score	158
Exons	11910..12167, 11915..12166, 11925..12176, 11926..12168, 12159..12266		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12285	Strand	+
Start	1	End	497
Name	OJ991013_09.0112.C4.o1.np	Method	AAT/NAP
Start	1	End	497
GI	4680183	Score	119
Exons	1..47, 381..497		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12286	Strand	+
Start	6276	End	9440
Name	OJ991013_09.0112.C4.o2.np	Method	AAT/NAP
Start	6276	End	9440
GI	3645899	Score	3524
Exons	6276..9440		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o4.ts	Method	TBLASTX:Soybean
Start	4278	End	6446
GI	none	Score	83
Exons	4278..4400, 4464..4796, 6194..6256, 6306..6371, 6396..6446		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o7.tw	Method	TBLASTX:Wheat
Start	4311	End	4700
GI	none	Score	89
Exons	4311..4445, 4317..4400, 4458..4700, 4472..4576		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o6.tm	Method	TBLASTX:Maize

Start	6164	End	6524
GI	none	Score	105
Exons	6164..6256, 6166..6258, 6285..6524, 6293..6361, 6425..6517		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tw	Method	TBLASTX:Wheat
Start	6300	End	6617
GI	none	Score	231
Exons	6300..6617, 6314..6535		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o4.tm	Method	TBLASTX:Maize
Start	6527	End	6919
GI	none	Score	88
Exons	6527..6658, 6528..6656, 6646..6852, 6647..6868, 6647..6919, 6651..6917, 6694..6918		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.tw	Method	TBLASTX:Wheat
Start	6689	End	7262
GI	none	Score	267
Exons	6689..6919, 6690..6935, 6699..6944, 6975..7253, 6975..7262		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tm	Method	TBLASTX:Maize
Start	6924	End	7784
GI	none	Score	109
Exons	6924..6995, 6950..6997, 6995..7573, 6996..7613, 7497..7625, 7622..7723, 7626..7784, 7674..7712		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.ts	Method	TBLASTX:Soybean
Start	7104	End	7565
GI	none	Score	339
Exons	7104..7565, 7133..7315, 7361..7513		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tc	Method	TBLASTX:Cress
Start	7146	End	7562
GI	none	Score	190
Exons	7146..7562		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675

Name	OJ991013_09.0112.C4.o5.tw	Method	TBLASTX:Wheat
Start	7347	End	7577
GI	none	Score	100
Exons	7347..7424, 7431..7577		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o5.tm	Method	TBLASTX:Maize
Start	7785	End	8072
GI	none	Score	280
Exons	7785..8033, 7805..8068, 8022..8072, 8024..8071		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	7800	End	8413
GI	5509260	Score	695
Exons	7800..8408, 7893..8408, 7895..8413, 8150..8413		
GI Descrip.	-		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tw	Method	TBLASTX:Wheat
Start	7929	End	8405
GI	none	Score	84
Exons	7929..8018, 8025..8051, 8042..8383, 8052..8399, 8055..8186, 8059..8262, 8060..8398, 8229..8405		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tc	Method	TBLASTX:Cress
Start	8021	End	8294
GI	none	Score	192
Exons	8021..8167, 8022..8294		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tm	Method	TBLASTX:Maize
Start	8073	End	8541
GI	none	Score	571
Exons	8073..8540, 8073..8192, 8075..8539, 8416..8541		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o7.tm	Method	TBLASTX:Maize
Start	8582	End	8774
GI	none	Score	256
Exons	8582..8773, 8583..8774		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+

Start 15340
 Name OJ991013_09.0112.C4.o4.tw
 Start 8589
 GI none
 Exons 8589..8750, 8763..9020

End 19675
 Method TBLASTX:Wheat
 End 9020
 Score 102

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o1.tm
 Start 8775
 GI none
 Exons 8775..9437, 8777..9451, 9338..9442

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method TBLASTX:Maize
 End 9451
 Score 917

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o2.ts
 Start 8784
 GI none
 Exons 8784..9167, 8789..9160, 8796..9167, 9201..9449, 9209..9376

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method TBLASTX:Soybean
 End 9449
 Score 301

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o1.tc
 Start 8964
 GI none
 Exons 8964..9053, 9057..9191, 9177..9422, 9203..9370

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method TBLASTX:Cress
 End 9422
 Score 67

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o6.tw
 Start 9057
 GI none
 Exons 9057..9182, 9077..9178, 9201..9389, 9257..9376

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method TBLASTX:Wheat
 End 9389
 Score 105

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o3.gs
 Start 15340
 GI none
 Exons 15340..15345, 16445..16548, 16608..16703, 16800..16941, 17027..17206, 17226..17310, 17842..17955, 19638..19675

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method GENSCAN
 End 19675
 Score .62

Seq. No. 5818
 Gene No. 12287
 Start 15340
 Name OJ991013_09.0112.C4.o8.tm
 Start 17756
 GI none
 Exons 17756..17824, 17758..17823, 17823..17975, 17826..17993, 17827..17976, 17828..17977

Seq. ID OJ991013_09.0112.C4
 Strand +
 End 19675
 Method TBLASTX:Maize
 End 17993
 Score 78

Seq. No. 5819

Seq. ID OJ991013_09.0112.C5

Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	531
GI	3738337	Score	254
Exons	1..531		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5819	Seq. ID	OJ991013_09.0112.C5
Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.tm	Method	TBLASTX:Maize
Start	17	End	413
GI	none	Score	98
Exons	17..265, 21..266, 272..367, 369..413		

Seq. No.	5819	Seq. ID	OJ991013_09.0112.C5
Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.gs	Method	GENSCAN
Start	47	End	479
GI	none	Score	.85
Exons	47..228, 377..479		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o3.gs	Method	GENSCAN
Start	8494	End	8838
GI	none	Score	.83
Exons	8494..8838		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o3.np	Method	AAT/NAP
Start	8551	End	8826
GI	126386	Score	179
Exons	8551..8826		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi 82449 pir A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o1.gp	Method	AAT/GAP
Start	8579	End	9093
GI	28773_4.R1084	Score	971
Exons	8579..9093		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o2.gs	Method	GENSCAN

Start	3896	End	7661
GI	none	Score	.66
Exons	3896..4127, 4190..4299, 4393..4565, 4600..4768, 4861..5032, 6296..6330, 7268..7338, 7649..7661		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o1.np	Method	AAT/NAP
Start	3910	End	4974
GI	6907089	Score	855
Exons	3910..4974		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o2.np	Method	AAT/NAP
Start	5915	End	6460
GI	6539585	Score	185
Exons	5915..5988, 6287..6460		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12291	Strand	-
Start	8483	End	8864
Name	OJ991013_09.0112.C6.o1.tm	Method	TBLASTX:Maize
Start	8483	End	8864
GI	none	Score	42
Exons	8483..8545, 8485..8523, 8491..8664, 8517..8585, 8517..8672, 8539..8664, 8671..8841, 8671..8841, 8672..8842, 8673..8864		

Seq. No.	5821	Seq. ID	OJ991013_09.0112.C7
Gene No.	12292	Strand	+
Start	1	End	723
Name	OJ991013_09.0112.C7.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6721512	Score	239
Exons	1..152, 180..314, 357..429, 645..723		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5821	Seq. ID	OJ991013_09.0112.C7
Gene No.	12292	Strand	+
Start	1	End	723
Name	OJ991013_09.0112.C7.o1.gs	Method	GENSCAN
Start	85	End	633
GI	none	Score	.45
Exons	85..152, 525..633		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12293	Strand	+
Start	922	End	1275
Name	OJ991013_09.0112.C9.o1.gs	Method	GENSCAN
Start	922	End	1275
GI	none	Score	.65
Exons	922..1275		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12293	Strand	+
Start	922	End	1275
Name	OJ991013_09.0112.C9.o2.np	Method	AAT/NAP
Start	988	End	1263
GI	126386	Score	177
Exons	988..1263		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi 82449 pir A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o4.np	Method	AAT/NAP
Start	2512	End	11131
GI	119714	Score	101
Exons	2512..2671, 8974..9140, 9219..9480, 10721..11131		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o2.gs	Method	GENSCAN
Start	3037	End	4181
GI	none	Score	.77
Exons	3037..3091, 3320..3439, 3773..4048, 4117..4181		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o3.np	Method	AAT/NAP
Start	3746	End	4056
GI	6539588	Score	214
Exons	3746..4056		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o1.gp	Method	AAT/GAP
Start	4146	End	4210
GI	426511	Score	77
Exons	4146..4210		
GI Descrip.	5042437/gb AC007789.1 AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o4.gs	Method	GENSCAN
Start	9061	End	9422
GI	none	Score	.88
Exons	9061..9213, 9264..9422		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12295	Strand	-
Start	1	End	5977
Name	OJ991013_09.0112.C9.o1.np	Method	AAT/NAP
Start	1	End	5977
GI	6815097	Score	152
Exons	1..22, 116..182, 324..564, 5946..5977		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o2:tm	Method	TBLASTX:Maize
Start	927	End	1278
GI	none	Score	41
Exons	927..1022, 927..1121, 997..1101, 1101..1262, 1108..1278		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o3.gs	Method	GENSCAN
Start	6350	End	8722
GI	none	Score	.74
Exons	6350..7614, 7668..7856, 7902..7953, 8573..8722		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	6410	End	6688
GI	none	Score	204
Exons	6410..6661, 6426..6626, 6428..6688		

Seq. No.	5823	Seq. ID	OJ991013_09.0112.C11
Gene No.	12297	Strand	-
Start	180	End	401
Name	OJ991013_09.0112.C11.o1.gs	Method	GENSCAN
Start	180	End	401
GI	none	Score	.93
Exons	180..401		

Seq. No.	5824	Seq. ID	OJ991013_05.0111.C1
Gene No.	12298	Strand	-
Start	1177	End	1568
Name	OJ991013_05.0111.C1.o1.gp	Method	AAT/GAP
Start	1177	End	1568
GI	none	Score	748
Exons	1177..1568		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.gs	Method	GENSCAN
Start	838	End	2570
GI	none	Score	.45
Exons	838..2074, 2188..2570		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.np	Method	AAT/NAP
Start	841	End	2599
GI	6539553	Score	2972
Exons	841..2599		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1453
GI	none	Score	353
Exons	977..1363, 1015..1362, 1378..1452, 1382..1453		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.ts	Method	TBLASTX:Soybean
Start	1105	End	1446
GI	none	Score	83
Exons	1105..1314, 1184..1309, 1333..1446, 1340..1420		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	1309	End	1648
GI	none	Score	203
Exons	1309..1647, 1310..1648		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	1804
GI	none	Score	118
Exons	1459..1803, 1604..1804		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.tw	Method	TBLASTX:Wheat
Start	1657	End	2201
GI	none	Score	48
Exons	1657..1863, 1667..1789, 1858..2055, 1882..2055, 2022..2201		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.tm	Method	TBLASTX:Maize

Start	1669	End	2055
GI	none	Score	256
Exons	1669..2055		
Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.ts	Method	TBLASTX:Soybean
Start	1822	End	2165
GI	none	Score	109
Exons	1822..2061, 1828..2061, 2076..2165		
Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tc	Method	TBLASTX:Cress
Start	1984	End	2243
GI	none	Score	61
Exons	1984..2055, 2022..2243, 2164..2241		
Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.tm	Method	TBLASTX:Maize
Start	2073	End	2331
GI	none	Score	68
Exons	2073..2330, 2167..2331		
Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.tw	Method	TBLASTX:Wheat
Start	2256	End	2597
GI	none	Score	199
Exons	2256..2495, 2257..2415, 2273..2503, 2276..2473, 2547..2597		
Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12300	Strand	+
Start	7788	End	8321
Name	OJ991013_05.0111.C3.o1.gp	Method	AAT/GAP
Start	7788	End	8321
GI	none	Score	1026
Exons	7788..8321		
Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.np	Method	AAT/NAP
Start	1	End	1979
GI	6539553	Score	3445
Exons	1..1979		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3

Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.ts	Method	TBLASTX:Soybean
Start	3	End	293
GI	none	Score	38
Exons	3..68, 22..60, 69..293, 114..284, 115..285		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.tw	Method	TBLASTX:Wheat
Start	42	End	438
GI	none	Score	112
Exons	42..227, 42..215, 80..226, 189..437, 204..437, 367..438		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o3.tm	Method	TBLASTX:Maize
Start	81	End	515
GI	none	Score	74
Exons	81..515, 106..306		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.gs	Method	GENSCAN
Start	127	End	11470
GI	none	Score	.53
Exons	127..1995, 2173..2220, 2225..2408, 3697..3847, 4845..4904, 5447..5632, 6957..7011, 8202..8390, 8484..8656, 9600..9656, 11081..11470		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.ts	Method	TBLASTX:Soybean
Start	303	End	689
GI	none	Score	88
Exons	303..551, 534..689		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.tm	Method	TBLASTX:Maize
Start	716	End	1031
GI	none	Score	392
Exons	716..907, 717..1031, 718..1011		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.tm	Method	TBLASTX:Maize
Start	1537	End	1850
GI	none	Score	292
Exons	1537..1842, 1539..1850		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.tw	Method	TBLASTX:Wheat
Start	1599	End	1985
GI	none	Score	248
Exons	1599..1985, 1600..1974		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.np	Method	AAT/NAP
Start	8197	End	9638
GI	2245125	Score	100
Exons	8197..8390, 8484..8548, 9600..9638		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.gp	Method	AAT/GAP
Start	8237	End	8745
GI	75411_1.R1084	Score	734
Exons	8237..8390, 8484..8745		
GI Descrip.	'2245125/emb CAB10547.1 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o3.gp	Method	AAT/GAP
Start	8238	End	8745
GI	75411_1.R1084	Score	732
Exons	8238..8390, 8484..8745		
GI Descrip.	'2245125/emb CAB10547.1 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o4.tm	Method	TBLASTX:Maize
Start	8283	End	8618
GI	none	Score	100
Exons	8283..8393, 8336..8401, 8483..8581, 8484..8597, 8583..8618		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.gs	Method	GENSCAN
Start	353	End	1219
GI	none	Score	.82
Exons	353..598, 627..758, 878..1219		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.np	Method	AAT/NAP

Start	591	End	1315
GI	2245125	Score	154
Exons	591..779, 878..983, 1177..1315		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.tm	Method	TBLASTX:Maize
Start	623	End	1180
GI	none	Score	37
Exons	623..781, 624..647, 751..783, 877..1020, 878..934, 1000..1077, 1016..1072, 1081..1179, 1082..1180		

Seq. No.	5828	Seq. ID	OJ991013_05.0111.C5
Gene No.	12303	Strand	-
Start	338	End	819
Name	OJ991013_05.0111.C5.o1.gs	Method	GENSCAN
Start	338	End	819
GI	none	Score	.57
Exons	338..396, 746..819		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12304	Strand	+
Start	561	End	1771
Name	OJ991013_05.0111.C7.o1.gs	Method	GENSCAN
Start	561	End	1771
GI	none	Score	.92
Exons	561..642, 807..1007, 1691..1771		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12305	Strand	+
Start	12221	End	13115
Name	OJ991013_05.0111.C7.o4.gs	Method	GENSCAN
Start	12221	End	13115
GI	none	Score	.52
Exons	12221..12288, 12367..12487, 12529..12751, 13027..13115		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12306	Strand	+
Start	13784	End	14325
Name	OJ991013_05.0111.C7.o3.gp	Method	AAT/GAP
Start	13784	End	14325
GI	none	Score	964
Exons	13784..14325		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o1.np	Method	AAT/NAP
Start	777	End	10223
GI	6523547	Score	185
Exons	777..1054, 4600..4986, 8204..8347, 9127..9368, 9898..10010, 10135..10223		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o1.gp	Method	AAT/GAP
Start	4096	End	4654
GI	11797_1.R1084	Score	1054
Exons	4096..4654		
GI Descrip.	'2245125/emb CAB10547.1 2.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o2.gp	Method	AAT/GAP
Start	7418	End	8196
GI	11797_2.R1084	Score	1523
Exons	7418..8196		
GI Descrip.	'2245125/emb CAB10547.1 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o1.tw	Method	TBLASTX:Wheat
Start	4311	End	8125
GI	none	Score	275
Exons	4311..4574, 4321..4581, 4445..4588, 7937..8125, 7947..8123		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o1.tm	Method	TBLASTX:Maize
Start	4314	End	8123
GI	none	Score	246
Exons	4314..4571, 4345..4572, 7937..8122, 7947..8123		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o3.gs	Method	GENSCAN
Start	10552	End	11285
GI	none	Score	.86
Exons	10552..10698, 10932..11285		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12309	Strand	+
Start	73	End	139
Name	OJ991013_05.0111.C8.o1.gs	Method	GENSCAN
Start	73	End	139
GI	none	Score	.72
Exons	73..139		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12310	Strand	+
Start	3299	End	7069
Name	OJ991013_05.0111.C8.o2.gs	Method	GENSCAN
Start	3299	End	4840

GI	none	Score	1
Exons	3299..4840		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12310	Strand	+
Start	3299	End	7069
Name	OJ991013_05.0111.C8.o1.np	Method	AAT/NAP
Start	3302	End	7069
GI	6572076	Score	878
Exons	3302..4761, 7005..7069		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12311	Strand	+
Start	8011	End	9090
Name	OJ991013_05.0111.C8.o3.gs	Method	GENSCAN
Start	8011	End	9090
GI	none	Score	1
Exons	8011..9090		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12312	Strand	-
Start	9465	End	11335
Name	OJ991013_05.0111.C8.o4.gs	Method	GENSCAN
Start	9465	End	11335
GI	none	Score	.54
Exons	9465..9653, 9730..9994, 10159..10278, 10932..11335		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.ts	Method	TBLASTX:Soybean
Start	3550	End	4407
GI	none	Score	105
Exons	3550..3645, 3551..3649, 3713..3817, 3718..3816, 3878..3916, 3992..4096, 4133..4405, 4180..4407		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o2.tc	Method	TBLASTX:Cress
Start	3550	End	3904
GI	none	Score	133
Exons	3550..3645, 3551..3649, 3718..3846, 3719..3856, 3869..3904		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o2.tm	Method	TBLASTX:Maize
Start	3595	End	4075
GI	none	Score	83
Exons	3595..3645, 3596..3649, 3716..3823, 3733..3810, 3863..4075, 3880..4074		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-

Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.tc	Method	TBLASTX:Cress
Start	4156	End	4561
GI	none	Score	322
Exons	4156..4446, 4157..4447, 4457..4561		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.tm	Method	TBLASTX:Maize
Start	4229	End	4507
GI	none	Score	279
Exons	4229..4381, 4231..4380, 4385..4507, 4387..4497		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o3.np	Method	AAT/NAP
Start	12355	End	12987
GI	6721559	Score	223
Exons	12355..12500, 12530..12987		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o5.gs	Method	GENSCAN
Start	13129	End	14342
GI	none	Score	.91
Exons	13129..13588, 14284..14342		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o4.np	Method	AAT/NAP
Start	14240	End	15004
GI	4680183	Score	195
Exons	14240..14329, 14936..15004		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o3.np	Method	AAT/NAP
Start	1	End	6096
GI	119714	Score	131
Exons	1..116, 719..1101, 3878..4079, 4790..4875, 5747..6096		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272

Name	OJ991013_05.0111.C9.o1.np	Method	AAT/NAP
Start	221	End	985
GI	4680183	Score	162
Exons	221..291, 896..985		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o2.np	Method	AAT/NAP
Start	2258	End	2898
GI	6721559	Score	358
Exons	2258..2732, 2761..2898		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o3.gs	Method	GENSCAN
Start	5706	End	6272
GI	none	Score	1
Exons	5706..6272		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12315	Strand	-
Start	4264	End	4620
Name	OJ991013_05.0111.C9.o2.gs	Method	GENSCAN
Start	4264	End	4620
GI	none	Score	.72
Exons	4264..4620		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12316	Strand	-
Start	7212	End	7707
Name	OJ991013_05.0111.C9.o4.gs	Method	GENSCAN
Start	7212	End	7707
GI	none	Score	.4
Exons	7212..7348, 7659..7707		

Seq. No.	5832	Seq. ID	OJ991103_07.0121.C1
Gene No.	12317	Strand	-
Start	218	End	297
Name	OJ991103_07.0121.C1.o1.gs	Method	GENSCAN
Start	218	End	297
GI	none	Score	.9
Exons	218..297		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12318	Strand	+
Start	9811	End	11475
Name	OJ991103_07.0121.C3.o2.gs	Method	GENSCAN
Start	9811	End	11475
GI	none	Score	1
Exons	9811..11475		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12319	Strand	+
Start	16461	End	18683
Name	OJ991103_07.0121.C3.o4.gs	Method	GENSCAN
Start	16461	End	18683
GI	none	Score	.43
Exons	16461..16597, 16605..16660, 17245..17337, 17409..17558, 18580..18683		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12320	Strand	+
Start	24320	End	27255
Name	OJ991103_07.0121.C3.o4.np	Method	AAT/NAP
Start	24320	End	27255
GI	5852175	Score	141
Exons	24320..24539, 25192..25244, 25812..25912, 26611..26643, 27228..27255		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o1.np	Method	AAT/NAP
Start	4273	End	14115
GI	1418331	Score	1738
Exons	4273..6140, 14081..14115		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o3.gs	Method	GENSCAN
Start	11811	End	16299
GI	none	Score	.42
Exons	11811..12055, 13448..13549, 13776..14129, 14286..14641, 14862..14956, 15006..15131, 15334..16299		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o1.gp	Method	AAT/GAP
Start	12290	End	12747
GI	4968598	Score	815
Exons	12290..12747		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12322	Strand	-
Start	20072	End	22027
Name	OJ991103_07.0121.C3.o2.np	Method	AAT/NAP
Start	20056	End	22027
GI	3236253	Score	1351
Exons	20056..22027		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12322	Strand	-

Start	20072	End	22027
Name	OJ991103_07.0121.C3.o5.gs	Method	GENSCAN
Start	20072	End	22015
GI	none	Score	.75
Exons	20072..22015		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tc	Method	TBLASTX:Cress
Start	27	End	21553
GI	none	Score	224
Exons	27..356, 28..321, 126..353, 375..1148, 376..741, 829..1098, 1122..1370, 1153..1314, 1404..1571, 1414..1557, 4294..4506, 4328..4501, 4494..4859, 4534..4860, 4867..5046, 4878..5240, 4990..5244, 5273..5650, 5376..5645, 5642..6073, 5655..6056, 13122..13340, 13126..13341, 13335..13661, 13369..13662, 13717..14079, 13826..14062, 14188..14523, 14192..14494, 14491..14748, 14539..14730, 14755..14895, 14765..14899, 15241..15426, 15493..15768, 15494..15763, 15760..16191, 15773..16174, 20180..20416, 20193..20402, 20396..20758, 20433..20759, 20777..21154, 20781..21143, 21227..21361, 21231..21362, 21377..21553		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.ts	Method	TBLASTX:Soybean
Start	27	End	20527
GI	none	Score	99
Exons	27..125, 4312..4512, 4530..4628, 13141..13431, 13164..13466, 20210..20527, 20211..20492		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tm	Method	TBLASTX:Maize
Start	27	End	21002
GI	none	Score	303
Exons	27..356, 28..372, 351..596, 352..597, 354..599, 4527..4859, 4537..4866, 4546..4872, 4595..4891, 4857..5102, 4858..5103, 13363..13662, 13368..13664, 13660..13695, 13702..13941, 13705..13938, 13730..13942, 13805..13942, 20432..20758, 20436..20759, 20436..20771, 20754..20999, 20756..20983, 20784..21002		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.ts	Method	TBLASTX:Soybean
Start	141	End	21053
GI	none	Score	61
Exons	141..362, 142..195, 168..347, 241..357, 375..650, 379..651, 4644..4865, 4645..4722, 4658..4762, 4659..4865, 4881..5147, 4881..5153, 4882..5154, 13482..13676, 13483..13659, 13663..13704, 13717..13992, 13721..13993, 20540..20764, 20541..20759, 20780..21052, 20781..21053		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tw	Method	TBLASTX:Wheat
Start	198	End	21023
GI	none	Score	64
Exons	198..353, 225..359, 357..629, 376..618, 4701..4856, 4860..5132, 4894..5121, 13537..13677, 13539..13661, 13687..13875, 13696..13965, 13928..13963, 20600..20755, 20767..20877, 20777..21019, 20777..20965, 20793..21023		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.tw	Method	TBLASTX:Wheat
Start	654	End	21364
GI	none	Score	52
Exons	654..692, 661..690, 699..977, 721..954, 5154..5198, 5155..5214, 5202..5240, 5203..5286, 5291..5479, 5376..5486, 13996..14037, 13997..14053, 14041..14196, 14085..14123, 14188..14331, 14192..14335, 15271..15315, 15272..15331, 15319..15426, 15320..15427, 15484..15597, 15494..15604, 21053..21097, 21062..21103, 21101..21364, 21120..21362		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o5.tm	Method	TBLASTX:Maize
Start	819	End	21628
GI	none	Score	187
Exons	819..1127, 838..1095, 849..1139, 5342..5638, 5370..5636, 14188..14484, 14192..14485, 15484..15756, 15488..15754, 21221..21367, 21240..21377, 21244..21396, 21348..21509, 21371..21577, 21385..21624, 21386..21628		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.tw	Method	TBLASTX:Wheat
Start	981	End	21628
GI	none	Score	100
Exons	981..1226, 982..1098, 1002..1148, 1171..1209, 5486..5728, 5487..5729, 14335..14577, 14363..14578, 15604..15846, 15653..15847, 21374..21562, 21387..21563, 21428..21628		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.ts	Method	TBLASTX:Soybean
Start	1038	End	21940
GI	none	Score	140
Exons	1038..1151, 1143..1328, 1153..1329, 1392..1592, 1396..1587, 5477..5524, 5540..5653, 5636..5830, 5655..5825, 5695..5826, 5838..6089, 5840..6091, 14497..14679, 14498..14695, 14752..14895, 15754..15948, 15773..15943, 15956..16207, 15958..16209, 21806..21835, 21851..21940		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.tm	Method	TBLASTX:Maize
Start	1140	End	22007
GI	none	Score	104
Exons	1140..1370, 1192..1317, 1402..1434, 1440..1610, 1441..1674, 5642..5938, 5676..5933, 5939..6103, 5940..6104, 14485..14730, 14486..14620, 14542..14754, 14773..14895, 14813..14899, 15760..16056, 15773..16051, 16057..16221, 16058..16222, 21851..21964, 21879..22007		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.tm	Method	TBLASTX:Maize
Start	4252	End	20417
GI	none	Score	124
Exons	4252..4512, 4273..4503, 4328..4516, 13032..13079, 13033..13071, 13124..13234, 13125..13337, 13131..13361, 13132..13347, 20117..20416, 20118..20417		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.ts	Method	TBLASTX:Soybean
Start	9859	End	11415
GI	none	Score	105
Exons	9859..9951, 9873..9950, 10033..10104, 10035..10238, 10129..10245, 10366..10527, 10371..10514, 10585..10614, 10633..10665, 10750..11061, 10767..10868, 11118..11366, 11119..11373, 11365..11415		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o6.tm	Method	TBLASTX:Maize
Start	9859	End	10259
GI	none	Score	113
Exons	9859..9951, 9864..9950, 10027..10095, 10032..10109, 10033..10104, 10123..10245, 10137..10259		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tc	Method	TBLASTX:Cress
Start	9864	End	11409
GI	none	Score	115
Exons	9864..9950, 9865..9951, 10032..10097, 10033..10134, 10116..10256, 10117..10245, 10366..10512, 10368..10508, 10513..10665, 10578..10607, 10738..10956, 10744..11409, 10770..11009, 11115..11240, 11274..11408		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863

Name	OJ991103_07.0121.C3.o7.tm	Method	TBLASTX:Maize
Start	10366	End	10611
GI	none	Score	206
Exons	10366..10611, 10377..10607		
Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o5.tw	Method	TBLASTX:Wheat
Start	10684	End	17330
GI	none	Score	227
Exons	10684..11046, 10741..10788, 10765..10956, 10774..10929, 17253..17330		
Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tm	Method	TBLASTX:Maize
Start	10750	End	11415
GI	none	Score	297
Exons	10750..11058, 10767..11009, 11056..11415, 11115..11414		
Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tw	Method	TBLASTX:Wheat
Start	11119	End	11406
GI	none	Score	363
Exons	11119..11406, 11119..11202, 11124..11402		
Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o6.gs	Method	GENSCAN
Start	23429	End	25863
GI	none	Score	.8
Exons	23429..23500, 24266..24449, 24555..24783, 25782..25863		
Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.np	Method	AAT/NAP
Start	24274	End	25802
GI	5852179	Score	409
Exons	24274..24508, 24583..24795, 25782..25802		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12324	Strand	+
Start	412	End	4315
Name	OJ991103_07.0121.C5.o1.np	Method	AAT/NAP
Start	412	End	4315
GI	6539553	Score	6743
Exons	412..4315		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12325	Strand	+
Start	11801	End	12332
Name	OJ991103_07.0121.C5.o3.np	Method	AAT/NAP
Start	11795	End	12332
GI	5803244	Score	401
Exons	11795..11942, 12037..12332		
GI Descrip.	(AP000399) similar to hexose carrier protein HEX6 &RCCHCP_1 (Q07423) [Oryza sativa]		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12325	Strand	+
Start	11801	End	12332
Name	OJ991103_07.0121.C5.o3.gs	Method	GENSCAN
Start	11801	End	12281
GI	none	Score	.74
Exons	11801..11942, 12037..12281		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.tw	Method	TBLASTX:Wheat
Start	406	End	792
GI	none	Score	353
Exons	406..792, 417..791		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.tm	Method	TBLASTX:Maize
Start	541	End	854
GI	none	Score	365
Exons	541..852, 549..854		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.tm	Method	TBLASTX:Maize
Start	1351	End	1673
GI	none	Score	268
Exons	1351..1605, 1358..1672, 1378..1671, 1506..1673		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o9.ts	Method	TBLASTX:Soybean
Start	1700	End	2086
GI	none	Score	88
Exons	1700..1855, 1838..2086		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.tm	Method	TBLASTX:Maize
Start	1874	End	2308

GI none
Exons 1874..2308, 2083..2283

Score 303

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o6.tw
Start 1952
GI none
Exons 1952..2143, 1952..2143

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Wheat
End 2143
Score 275

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o5.ts
Start 2096
GI none
Exons 2096..2320, 2104..2274, 2321..2494, 2329..2367

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Soybean
End 2494
Score 197

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o4.tc
Start 2129
GI none
Exons 2129..2311, 2324..2518

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Cress
End 2518
Score 112

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o1.tw
Start 2144
GI none
Exons 2144..2899, 2153..2899

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Wheat
End 2899
Score 963

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o2.ts
Start 2819
GI 5509260
Exons 2819..3283, 2920..2988, 3037..3132, 3205..3264
GI Descrip. -

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Soybean
End 3283
Score 379

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o2.tc
Start 2912
GI none
Exons 2912..3172, 2914..2991

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Cress
End 3172
Score 282

Seq. No. 5834
Gene No. 12326
Start 8434
Name OJ991103_07.0121.C5.o5.tm
Start 2953

Seq. ID OJ991103_07.0121.C5
Strand -
End 10343
Method TBLASTX:Maize
End 3418

GI	none	Score	357
Exons	2953..3132, 2954..3418, 3089..3271, 3205..3315		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.tw	Method	TBLASTX:Wheat
Start	2954	End	3499
GI	none	Score	315
Exons	2954..3298, 3101..3274, 3293..3499, 3367..3489		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.ts	Method	TBLASTX:Soybean
Start	3352	End	3697
GI	none	Score	314
Exons	3352..3552, 3353..3697		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o6.tm	Method	TBLASTX:Maize
Start	3508	End	3847
GI	none	Score	315
Exons	3508..3846, 3509..3847		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.tw	Method	TBLASTX:Wheat
Start	3703	End	4179
GI	none	Score	98
Exons	3703..3774, 3704..3778, 3792..4100, 3793..4179, 3794..4141		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.ts	Method	TBLASTX:Soybean
Start	3710	End	4051
GI	none	Score	88
Exons	3710..3823, 3736..3816, 3842..4051, 3847..3972		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	8426	End	10109
GI	none	Score	73
Exons	8426..8551, 8455..9279, 8609..8878, 8875..9108, 9032..9274, 9259..9390, 9288..9374, 9561..9680, 9678..10109, 9762..9977		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.gs	Method	GENSCAN
Start	8434	End	10343

GI	none	Score	.5
Exons	8434..9216, 9369..9439, 9554..10343		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o9.tm	Method	TBLASTX:Maize
Start	8443	End	8661
GI	none	Score	179
Exons	8443..8661, 8444..8659, 8545..8661		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.np	Method	AAT/NAP
Start	8449	End	10340
GI	3193302	Score	1457
Exons	8449..10340		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o8.ts	Method	TBLASTX:Soybean
Start	8470	End	8781
GI	none	Score	227
Exons	8470..8781		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	8680	End	9255
GI	none	Score	203
Exons	8680..9012, 8681..9013, 8898..9047, 9016..9252, 9031..9255, 9041..9253		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	8797	End	9297
GI	none	Score	65
Exons	8797..9009, 8798..8872, 8810..9013, 8859..9014, 8860..9003, 9028..9279, 9035..9286, 9037..9297		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o5.tw	Method	TBLASTX:Wheat
Start	8854	End	9283
GI	none	Score	66
Exons	8854..9009, 9013..9279, 9027..9137, 9028..9186, 9029..9283		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
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Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o8.tm	Method	TBLASTX:Maize
Start	9501	End	9795
GI	none	Score	181
Exons	9501..9794, 9520..9795, 9529..9795		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.tw	Method	TBLASTX:Wheat
Start	9582	End	9950
GI	none	Score	69
Exons	9582..9950, 9643..9807, 9826..9921		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.ts	Method	TBLASTX:Soybean
Start	9699	End	10247
GI	none	Score	94
Exons	9699..9803, 9807..9989, 9814..9921, 9840..9983, 9990..10109, 10078..10242, 10101..10247		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.tm	Method	TBLASTX:Maize
Start	9801	End	10314
GI	none	Score	90
Exons	9801..9977, 9801..10091, 9848..9994, 9973..10092, 10116..10259, 10120..10314		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	-
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o10.tm	Method	TBLASTX:Maize
Start	11852	End	12250
GI	none	Score	113
Exons	11852..11944, 11857..11952, 12023..12100, 12024..12095, 12114..12236, 12128..12250		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	-
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o3.tc	Method	TBLASTX:Cress
Start	11852	End	12236
GI	none	Score	105
Exons	11852..11944, 11875..11970, 12024..12236, 12026..12229		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	-
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o6.ts	Method	TBLASTX:Soybean
Start	11855	End	12241
GI	none	Score	107
Exons	11855..11944, 11857..11952, 12023..12241, 12024..12236		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12328	Strand	+
Start	1	End	197
Name	OJ991103_07.0121.C6.o1.np	Method	AAT/NAP
Start	1	End	179
GI	5803244	Score	176
Exons	1..179		
GI Descrip.	(AP000399) similar to hexose carrier protein HEX6 &RCCHCP_1 (Q07423) [Oryza sativa]		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12328	Strand	+
Start	1	End	197
Name	OJ991103_07.0121.C6.o1.gs	Method	GENSCAN
Start	33	End	197
GI	none	Score	.99
Exons	33..197		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o5.tm	Method	TBLASTX:Maize
Start	3	End	146
GI	none	Score	178
Exons	3..146, 9..122		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.gs	Method	GENSCAN
Start	519	End	2540
GI	none	Score	.96
Exons	519..2540		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.tm	Method	TBLASTX:Maize
Start	519	End	848
GI	none	Score	46
Exons	519..566, 520..558, 611..727, 618..848, 619..834		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.np	Method	AAT/NAP
Start	597	End	2513
GI	1418331	Score	1712
Exons	597..2513		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tc	Method	TBLASTX:Cress
Start	609	End	2402

GI	none	Score	109
Exons	609..839, 613..840, 822..1184, 856..1038, 1096..1155, 1203..1568, 1203..1550, 1204..1599, 1668..1979, 1717..1965, 1863..1988, 1974..2402, 2002..2385		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.ts	Method	TBLASTX:Soybean
Start	628	End	953
GI	none	Score	102
Exons	628..918, 651..953		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tm	Method	TBLASTX:Maize
Start	850	End	1428
GI	none	Score	341
Exons	850..1185, 855..1184, 957..1211, 1188..1427, 1203..1427, 1207..1428		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1479
GI	none	Score	69
Exons	969..1181, 970..1038, 983..1129, 984..1175, 1203..1478, 1206..1478, 1207..1479		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tw	Method	TBLASTX:Wheat
Start	1026	End	1451
GI	none	Score	130
Exons	1026..1181, 1185..1451, 1204..1449		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.tw	Method	TBLASTX:Wheat
Start	1482	End	1811
GI	none	Score	104
Exons	1482..1523, 1527..1649, 1528..1650, 1668..1811, 1714..1809		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o4.tm	Method	TBLASTX:Maize
Start	1626	End	1884
GI	none	Score	122
Exons	1626..1883, 1714..1884		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-

Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.ts	Method	TBLASTX:Soybean
Start	1808	End	2436
GI	none	Score	118
Exons	1808..1855, 1869..1982, 1977..2150, 1978..2145, 2175..2423, 2179..2436		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.tw	Method	TBLASTX:Wheat
Start	1812	End	2058
GI	none	Score	120
Exons	1812..2057, 1831..2058		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.tm	Method	TBLASTX:Maize
Start	1884	End	2458
GI	none	Score	59
Exons	1884..1958, 1901..2050, 1902..1982, 1975..2319, 1977..2318, 2030..2362, 2337..2456, 2341..2415, 2381..2458		

Seq. No.	5836	Seq. ID	OJ991103_07.0121.C7
Gene No.	12330	Strand	-
Start	144	End	259
Name	OJ991103_07.0121.C7.o1.gs	Method	GENSCAN
Start	144	End	259
GI	none	Score	.6
Exons	144..259		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12331	Strand	+
Start	2459	End	3880
Name	OJ991103_07.0121.C9.o1.gs	Method	GENSCAN
Start	2459	End	3880
GI	none	Score	.78
Exons	2459..2927, 2993..3343, 3448..3474, 3684..3880		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12332	Strand	+
Start	6510	End	9955
Name	OJ991103_07.0121.C9.o2.gs	Method	GENSCAN
Start	6510	End	9955
GI	none	Score	.58
Exons	6510..9415, 9568..9955		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12333	Strand	-
Start	10642	End	12672
Name	OJ991103_07.0121.C9.o3.gs	Method	GENSCAN
Start	10642	End	12672
GI	none	Score	.61
Exons	10642..12672		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
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Gene No.	12333	Strand	-
Start	10642	End	12672
Name	OJ991103_07.0121.C9.o1.np	Method	AAT/NAP
Start	10720	End	12636
GI	1418331	Score	1695
Exons	10720..12636		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12334	Strand	-
Start	13370	End	13780
Name	OJ991103_07.0121.C9.o4.gs	Method	GENSCAN
Start	13370	End	13780
GI	none	Score	1
Exons	13370..13780		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.tw	Method	TBLASTX:Wheat
Start	2753	End	2991
GI	none	Score	53
Exons	2753..2800, 2768..2800, 2788..2847, 2789..2857, 2864..2911, 2865..2912, 2911..2991, 2913..2981, 2914..2982		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tc	Method	TBLASTX:Cress
Start	6735	End	8648
GI	none	Score	202
Exons	6735..7163, 6801..6944, 6804..7085, 6824..6949, 6855..7016, 6870..6998, 6927..7163, 6945..7076, 7110..7274, 7332..7520, 7569..7661, 7572..7796, 7572..7676, 7614..7796, 7662..7796, 7812..7958, 7866..8249, 7934..8248, 7946..8107, 7994..8248, 8010..8318, 8043..8318, 8171..8248, 8316..8468, 8319..8621, 8321..8467, 8322..8474, 8334..8471, 8409..8540, 8421..8615, 8466..8612, 8474..8644, 8477..8644, 8481..8648, 8502..8645		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.ts	Method	TBLASTX:Soybean
Start	6735	End	8675
GI	none	Score	180
Exons	6735..7082, 6735..7070, 6746..6955, 6747..7082, 6747..6932, 6768..7082, 6842..6952, 6845..6943, 6882..7127, 6989..7072, 7083..7151, 7101..7160, 7175..7246, 7176..7274, 7341..7520, 7469..7771, 7569..7796, 7569..7802, 7569..7733, 7569..7730, 7572..7796, 7572..7802, 7605..7796, 7818..7937, 7923..7958, 7932..8354, 8013..8318, 8013..8318, 8025..8318, 8043..8318, 8069..8200, 8316..8675, 8319..8543, 8319..8612, 8319..8609, 8319..8612, 8319..8615, 8358..8612, 8369..8611, 8493..8612, 8550..8660		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-

Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tm	Method	TBLASTX:Maize
Start	6768	End	8675
GI	none	Score	162
Exons	6768..7070, 6840..7127, 7086..7163, 7161..7298, 7227..7301, 7317..7415, 7362..7517, 7374..7463, 7488..7907, 7505..7591, 7596..7688, 7627..7893, 7628..7903, 7821..8231, 8157..8318, 8316..8609, 8520..8675		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tc	Method	TBLASTX:Cress
Start	8886	End	18150
GI	none	Score	81
Exons	8886..8969, 8985..9362, 9399..9425, 10732..11325, 10748..11164, 10915..11304, 11329..11691, 11333..11674, 11803..12129, 11804..12004, 12106..12537, 12107..12337, 16368..16448, 16370..16927, 16557..16895, 16942..17004, 16946..17392, 16947..17294, 17367..17717, 17447..17722, 17711..17992, 17745..17837, 18031..18150		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	8901	End	17228
GI	none	Score	77
Exons	8901..8984, 8903..8968, 8976..9362, 9027..9170, 9272..9379, 11095..11301, 11095..11307, 11332..11604, 11333..11605, 16715..16921, 16715..16927, 16723..16926, 16952..17224, 16953..17228		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	8925	End	17203
GI	none	Score	55
Exons	8925..8975, 8991..9350, 11152..11307, 11311..11583, 11345..11572, 16772..16927, 16937..17203, 16965..17108, 17157..17192		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	8991	End	17174
GI	none	Score	104
Exons	8991..9182, 9195..9362, 10979..11323, 10981..11310, 11323..11550, 11328..11549, 11329..11553, 11333..11554, 16596..16925, 16596..16922, 16598..16927, 16606..16959, 16934..17173, 16953..17174		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268

Name	OJ991103_07.0121.C9.o5.tm	Method	TBLASTX:Maize
Start	9363	End	9892
GI	none	Score	70
Exons	9363..9425, 9365..9424, 9369..9434, 9370..9441, 9371..9427, 9560..9736, 9560..9733, 9582..9734, 9788..9892, 9808..9891		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.ts	Method	TBLASTX:Soybean
Start	9581	End	16699
GI	none	Score	63
Exons	9581..9658, 9824..9901, 10751..10945, 10774..10968, 10963..11079, 10982..11077, 16385..16576, 16568..16699		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o5.tw	Method	TBLASTX:Wheat
Start	9581	End	16765
GI	none	Score	67
Exons	9581..9649, 9815..9904, 10762..10950, 10984..11145, 10997..11131, 16367..16576, 16556..16627, 16604..16765, 16617..16757		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.tm	Method	TBLASTX:Maize
Start	10642	End	16585
GI	none	Score	42
Exons	10642..10680, 10643..10681, 10735..10806, 10745..10975, 10747..10968, 16356..16448, 16370..16585, 16376..16465, 16481..16576		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.tw	Method	TBLASTX:Wheat
Start	11608	End	17536
GI	none	Score	77
Exons	11608..11649, 11653..11775, 11654..11776, 11797..11937, 11798..11938, 17228..17269, 17273..17536, 17274..17534		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o6.tm	Method	TBLASTX:Maize
Start	11803	End	17630
GI	none	Score	149
Exons	11803..12018, 11804..12019, 17412..17630, 17435..17629		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tw	Method	TBLASTX:Wheat
Start	11938	End	17797

GI	none	Score	165
Exons	11938..12192, 17546..17794, 17550..17795, 17561..17797		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.ts	Method	TBLASTX:Soybean
Start	12004	End	18168
GI	none	Score	68
Exons	12004..12141, 12112..12294, 12119..12325, 12304..12555, 12314..12556, 12605..12649, 17549..17596, 17612..17725, 17720..17905, 17721..17843, 18037..18168		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.tm	Method	TBLASTX:Maize
Start	12019	End	18268
GI	none	Score	165
Exons	12019..12093, 12106..12453, 12107..12454, 12190..12456, 12463..12585, 12467..12550, 17638..17667, 17648..17701, 17649..17702, 17714..17992, 17715..17993, 17778..17993, 18088..18189, 18089..18268		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o5.gs	Method	GENSCAN
Start	16256	End	18211
GI	none	Score	.72
Exons	16256..17955, 18018..18211		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.np	Method	AAT/NAP
Start	16367	End	18261
GI	3236253	Score	1669
Exons	16367..18261		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.gs	Method	GENSCAN
Start	1438	End	7920
GI	none	Score	.43
Exons	1438..1500, 3088..3156, 3427..3629, 4565..4722, 5393..5433, 5532..5741, 7855..7920		

Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.gp	Method	AAT/GAP
Start	4923	End	5875
GI	none	Score	1430

Exons 4923..5304, 5393..5433, 5532..5875

Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.np	Method	AAT/NAP
Start	5437	End	5852
GI	4490726	Score	168
Exons	5437..5733, 5770..5852		
GI Descrip.	(AL035709) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12337	Strand	-
Start	185	End	371
Name	OJ991103_07.0121.C11.o1.gs	Method	GENSCAN
Start	185	End	371
GI	none	Score	.61
Exons	185..371		

Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o1.gp	Method	AAT/GAP
Start	1560	End	4401
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	1560..1625, 4366..4401		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o2.gs	Method	GENSCAN
Start	4132	End	6370
GI	none	Score	.82
Exons	4132..4178, 4211..4290, 5483..5651, 6084..6209, 6346..6370		

Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o1.np	Method	AAT/NAP
Start	5235	End	5684
GI	6539570	Score	202
Exons	5235..5301, 5491..5684		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o2.np	Method	AAT/NAP
Start	5820	End	6508
GI	6630699	Score	87
Exons	5820..5898, 6457..6508		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12339	Strand	+
Start	1	End	1917
Name	OJ991103_07.0121.C12.o1.np	Method	AAT/NAP
Start	1	End	1917
GI	3236253	Score	1397
Exons	1..715, 753..1917		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tc	Method	TBLASTX:Cress
Start	5	End	1788
GI	none	Score	43
Exons	5..40, 34..387, 58..387, 409..603, 417..584, 628..702, 843..1553, 844..1554, 1573..1788, 1585..1770		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o3.ts	Method	TBLASTX:Soybean
Start	33	End	552
GI	none	Score	80
Exons	33..164, 34..174, 211..351, 213..482, 217..489, 505..552		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.tw	Method	TBLASTX:Wheat
Start	235	End	579
GI	none	Score	85
Exons	235..384, 237..365, 409..579		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o3.tm	Method	TBLASTX:Maize
Start	297	End	702
GI	none	Score	59
Exons	297..371, 298..387, 409..579, 414..587, 628..702		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1443
GI	none	Score	543
Exons	934..1443, 936..1442		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tw	Method	TBLASTX:Wheat
Start	969	End	1388

GI	none	Score	272
Exons	969..1388, 1024..1386		
Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	987	End	1554
GI	none	Score	98
Exons	987..1193, 990..1208, 991..1260, 1009..1221, 1210..1542, 1213..1554, 1245..1550		
Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.ts	Method	TBLASTX:Soybean
Start	1459	End	1770
GI	none	Score	235
Exons	1459..1770, 1461..1598		
Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.tm	Method	TBLASTX:Maize
Start	1582	End	1839
GI	none	Score	233
Exons	1582..1839, 1582..1830		
Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.gs	Method	GENSCAN
Start	3028	End	3598
GI	none	Score	.42
Exons	3028..3225, 3317..3598		
Seq. No.	5841	Seq. ID	OJ991103_07.0121.C13
Gene No.	12341	Strand	+
Start	156	End	591
Name	OJ991103_07.0121.C13.o1.gs	Method	GENSCAN
Start	156	End	591
GI	none	Score	.45
Exons	156..591		
Seq. No.	5841	Seq. ID	OJ991103_07.0121.C13
Gene No.	12342	Strand	-
Start	1333	End	2115
Name	OJ991103_07.0121.C13.o2.gs	Method	GENSCAN
Start	1333	End	2115
GI	none	Score	.88
Exons	1333..2115		
Seq. No.	5842	Seq. ID	OJ991103_03.0125.C1
Gene No.	12343	Strand	-
Start	43	End	85
Name	OJ991103_03.0125.C1.o1.gs	Method	GENSCAN
Start	43	End	85

GI	none	Score	.87
Exons	43..85		
Seq. No.	5843	Seq. ID	OJ991103_03.0125.C2
Gene No.	12344	Strand	-
Start	119	End	480
Name	OJ991103_03.0125.C2.o1.gs	Method	GENSCAN
Start	119	End	480
GI	none	Score	.58
Exons	119..261, 384..480		
Seq. No.	5844	Seq. ID	OJ991103_03.0125.C3
Gene No.	12345	Strand	+
Start	1756	End	1910
Name	OJ991103_03.0125.C3.o1.gs	Method	GENSCAN
Start	1756	End	1910
GI	none	Score	.83
Exons	1756..1910		
Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.np	Method	AAT/NAP
Start	321	End	3690
GI	404028	Score	961
Exons	321..726, 1753..1886, 1975..2089, 2634..2729, 3033..3120, 3204..3272, 3433..3690		
GI Descrip.	(M96569) oleoyl-acyl carrier protein thioesterase [Carthamus tinctorius] gi 445624 prf 1909371A oleoyl acyl carrier protein thioesterase [Carthamus tinctorius]		
Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.gs	Method	GENSCAN
Start	412	End	3687
GI	none	Score	.61
Exons	412..726, 774..858, 1975..2089, 2634..2729, 3033..3120, 3204..3272, 3433..3687		
Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.gp	Method	AAT/GAP
Start	3433	End	3985
GI	84014_1.R1084	Score	1028
Exons	3433..3985		
GI Descrip.	'1930079 7.0e-19 (U92877) acyl-ACP thioesterase [Garcinia mangostana]'		
Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o5.gs	Method	GENSCAN
Start	18445	End	21378
GI	none	Score	.4
Exons	18445..21378		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o4.np	Method	AAT/NAP
Start	18544	End	22098
GI	2914695	Score	390
Exons	18544..19599, 22074..22098		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o2.gp	Method	AAT/GAP
Start	19610	End	19857
GI	none	Score	484
Exons	19610..19857		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12348	Strand	-
Start	5115	End	8675
Name	OJ991103_03.0125.C4.o2.np	Method	AAT/NAP
Start	5101	End	8663
GI	6642643	Score	462
Exons	5101..5318, 6414..6541, 7988..8246, 8304..8663		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12348	Strand	-
Start	5115	End	8675
Name	OJ991103_03.0125.C4.o2.gs	Method	GENSCAN
Start	5115	End	8675
GI	none	Score	.82
Exons	5115..5318, 6414..6568, 7958..8675		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12349	Strand	-
Start	12562	End	13046
Name	OJ991103_03.0125.C4.o3.gs	Method	GENSCAN
Start	12562	End	13046
GI	none	Score	.46
Exons	12562..12597, 12981..13046		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	402	End	3819
GI	none	Score	69
Exons	402..446, 403..441, 577..726, 641..670, 654..716, 1747..1887, 1752..1883, 1975..2088, 1994..2116, 1995..2087, 1997..2089, 2623..2727, 2629..2730, 2630..2728, 2631..2738, 2996..3109, 3030..3110, 3030..3125, 3031..3120, 3188..3277, 3198..3272, 3205..3273, 3430..3606, 3433..3606, 3471..3620, 3538..3687, 3576..3686, 3590..3730, 3787..3819		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o2.tc	Method	TBLASTX:Cress
Start	592	End	3675
GI	none	Score	183
Exons	592..726, 660..716, 1747..1887, 1749..1883, 1750..1887, 1994..2107, 1995..2087, 2623..2730, 2629..2730, 3030..3113, 3031..3117, 3177..3263, 3198..3272, 3203..3277, 3430..3531, 3432..3506, 3559..3675, 3561..3674		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	5157	End	8532
GI	none	Score	63
Exons	5157..5246, 6409..6507, 6411..6542, 8295..8519, 8304..8504, 8308..8532		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.tc	Method	TBLASTX:Cress
Start	8304	End	8663
GI	none	Score	176
Exons	8304..8537, 8305..8538, 8520..8663, 8521..8643		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	8310	End	8666
GI	none	Score	123
Exons	8310..8519, 8310..8537, 8317..8538, 8520..8666, 8521..8664		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o4.gs	Method	GENSCAN
Start	15510	End	17428
GI	none	Score	.6
Exons	15510..15686, 15712..15882, 16274..16464, 17092..17428		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o3.np	Method	AAT/NAP
Start	15589	End	17412
GI	6815052	Score	463
Exons	15589..15691, 17076..17166, 17248..17412		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12351	Strand	-
Start	19042	End	19428
Name	OJ991103_03.0125.C4.o3.tc	Method	TBLASTX:Cress

Start	19042	End	19428
GI	none	Score	136
Exons	19042..19275, 19104..19193, 19294..19428, 19299..19400		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12352	Strand	
Start	20512	End	20973
Name	OJ991103_03.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	20512	End	20973
GI	none	Score	165
Exons	20512..20781, 20512..20646, 20542..20649, 20544..20654, 20545..20679, 20582..20653, 20624..20791, 20843..20917, 20844..20900, 20884..20973, 20885..20956		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12353	Strand	+
Start	352	End	2161
Name	OJ991103_03.0125.C5.o1.gs	Method	GENSCAN
Start	352	End	2161
GI	none	Score	.61
Exons	352..580, 1388..1589, 2079..2161		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12353	Strand	+
Start	352	End	2161
Name	OJ991103_03.0125.C5.o1.np	Method	AAT/NAP
Start	359	End	583
GI	2914695	Score	182
Exons	359..583		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	349	End	575
GI	none	Score	319
Exons	349..564, 350..574, 351..575		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	350	End	588
GI	none	Score	103
Exons	350..454, 350..469, 461..583, 493..588		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o2.gs	Method	GENSCAN
Start	2813	End	2980
GI	none	Score	.4
Exons	2813..2854, 2924..2980		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
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Gene No.	12355	Strand	+
Start	1	End	561
Name	OJ991103_03.0125.C6.o1.np	Method	AAT/NAP
Start	1	End	272
GI	5123951	Score	186
Exons	1..272		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12355	Strand	+
Start	1	End	561
Name	OJ991103_03.0125.C6.o1.gs	Method	GENSCAN
Start	153	End	561
GI	none	Score	.54
Exons	153..561		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12356	Strand	+
Start	1485	End	10089
Name	OJ991103_03.0125.C6.o2.gs	Method	GENSCAN
Start	1485	End	10089
GI	none	Score	.66
Exons	1485..1544, 1676..1829, 3293..3368, 3478..3569, 4106..4122, 6862..7349, 7477..7552, 8242..8355, 8489..8578, 8743..8929, 9572..10089		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o4.gs	Method	GENSCAN
Start	12580	End	16023
GI	none	Score	.54
Exons	12580..12593, 12669..12829, 13690..13805, 14061..14130, 15887..16023		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o2.gp	Method	AAT/GAP
Start	12701	End	16311
GI	none	Score	2181
Exons	12701..12829, 13545..13805, 14061..14130, 14328..14401, 15539..15755, 15887..16311		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o3.np	Method	AAT/NAP
Start	14200	End	15748
GI	6642645	Score	149
Exons	14200..14221, 15523..15748		
GI Descrip.	(AC012395) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460

Name	OJ991103_03.0125.C6.o3.gs	Method	GENSCAN
Start	11421	End	12460
GI	none	Score	.5
Exons	11421..11915, 12099..12258, 12297..12460		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460
Name	OJ991103_03.0125.C6.o2.np	Method	AAT/NAP
Start	11481	End	12178
GI	6957701	Score	268
Exons	11481..11897, 12074..12178		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460
Name	OJ991103_03.0125.C6.o1.gp	Method	AAT/GAP
Start	11760	End	12451
GI	none	Score	920
Exons	11760..11889, 12099..12451		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.tc	Method	TBLASTX:Cress
Start	171	End	15745
GI	none	Score	73
Exons	171..251, 15554..15745, 15565..15738		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o3.tm	Method	TBLASTX:Maize
Start	171	End	15916
GI	none	Score	65
Exons	171..251, 15550..15741, 15553..15759, 15554..15760, 15563..15766, 15875..15916		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.ts	Method	TBLASTX:Soybean
Start	171	End	15745
GI	none	Score	74
Exons	171..251, 15551..15745, 15563..15739		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o4.tm	Method	TBLASTX:Maize
Start	7126	End	8985
GI	none	Score	158
Exons	7126..7227, 7146..7349, 7291..7356, 7474..7548, 7475..7558, 7478..7555, 8263..8316, 8265..8327, 8314..8358, 8485..8577, 8486..8578, 8487..8579, 8488..8580, 8737..8964, 8739..8975, 8740..8985, 8742..8969		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	10682	End	12427
GI	none	Score	117
Exons	10682..10774, 10685..10771, 10686..10811, 10687..10782, 10687..10821, 11475..11642, 11480..11641, 11481..11642, 11482..11643, 11519..11653, 11645..11890, 11646..11918, 11646..11888, 12088..12153, 12088..12162, 12089..12202, 12095..12232, 12311..12427		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o5.tm	Method	TBLASTX:Maize
Start	13542	End	14132
GI	none	Score	222
Exons	13542..13805, 13583..13804, 14064..14129, 14085..14132		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o3.gp	Method	AAT/GAP
Start	16540	End	19591
GI	194_1.R1084	Score	1831
Exons	16540..17012, 17117..17264, 17660..17704, 17832..17946, 18039..18160, 18873..18917, 19552..19591		
GI Descrip.	'3334144/sp P93411 CG1C_ORYSA 1.0e-147 G1/S-SPECIFIC CYCLIN C-TYPE >gi_1695698_dbj_BAA13181_ (D86925) C-type cyclin [Oryza sativa]'		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.tm	Method	TBLASTX:Maize
Start	16886	End	19589
GI	none	Score	134
Exons	16886..17008, 16895..17011, 16896..17012, 17112..17264, 17114..17263, 17118..17264, 17120..17266, 17140..17271, 17644..17700, 17646..17699, 17659..17706, 17660..17710, 17829..17933, 17830..17943, 17831..17944, 18016..18162, 18027..18158, 18037..18159, 18038..18163, 19470..19589		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o5.gs	Method	GENSCAN
Start	16893	End	18383
GI	none	Score	.84
Exons	16893..17012, 17117..17264, 17660..17830, 17832..17946, 18039..18210, 18360..18383		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591

Name	OJ991103_03.0125.C6.o4.np	Method	AAT/NAP
Start	16896	End	19591
GI	3334144	Score	887
Exons	16896..17012, 17117..17264, 17660..17704, 17832..17946, 18039..18160, 18873..18917, 19552..19591		
GI Descrip.	G1/S-SPECIFIC CYCLIN C-TYPE gi 1695698 dbj BAA13181 (D86925) C-type cyclin [Oryza sativa]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	16962	End	17962
GI	none	Score	151
Exons	16962..17012, 17114..17263, 17115..17264, 17837..17866, 17838..17867, 17873..17947, 17873..17962		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	17135	End	18919
GI	none	Score	123
Exons	17135..17263, 17136..17264, 17181..17264, 17674..17703, 17829..17942, 17837..17944, 17843..17941, 17848..17955, 18025..18159, 18036..18158, 18043..18162, 18047..18163, 18872..18919		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12360	Strand	+
Start	52	End	522
Name	OJ991103_03.0125.C7.o1.gs	Method	GENSCAN
Start	52	End	522
GI	none	Score	.54
Exons	52..522		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794
Name	OJ991103_03.0125.C7.o2.np	Method	AAT/NAP
Start	11116	End	12794
GI	5281036	Score	1287
Exons	11116..11302, 11665..12794		
GI Descrip.	(AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794
Name	OJ991103_03.0125.C7.o3.gp	Method	AAT/GAP
Start	11305	End	11676
GI	none	Score	697
Exons	11305..11676		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794

Name	OJ991103_03.0125.C7.o4.gp	Method	AAT/GAP
Start	11854	End	12430
GI	41448_2.R1084	Score	923
Exons	11854..12430		
GI Descrip.	'3193316 3.0e-40 (AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12362	Strand	+
Start	18909	End	20491
Name	OJ991103_03.0125.C7.o3.np	Method	AAT/NAP
Start	18909	End	20491
GI	5803254	Score	724
Exons	18909..19723, 19851..20040, 20163..20491		
GI Descrip.	(AP000399) ESTs C97429(C60159), D22427(C11106), AU078031(E31854), D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12363	Strand	+
Start	22181	End	22646
Name	OJ991103_03.0125.C7.o7.gp	Method	AAT/GAP
Start	22181	End	22646
GI	none	Score	928
Exons	22181..22646		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12364	Strand	-
Start	1	End	435
Name	OJ991103_03.0125.C7.o1.np	Method	AAT/NAP
Start	1	End	312
GI	3334144	Score	190
Exons	1..150, 281..312		
GI Descrip.	G1/S-SPECIFIC CYCLIN C-TYPE gi 1695698 dbj BAA13181 (D86925) C-type cyclin [Oryza sativa]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12364	Strand	-
Start	1	End	435
Name	OJ991103_03.0125.C7.o1.gp	Method	AAT/GAP
Start	44	End	435
GI	194_1.R1084	Score	422
Exons	44..150, 281..435		
GI Descrip.	'3334144/sp P93411 CG1C_ORYSA 1.0e-147 G1/S-SPECIFIC CYCLIN C-TYPE >gi_1695698_dbj_BAA13181_ (D86925) C-type cyclin [Oryza sativa]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12365	Strand	-
Start	2679	End	2775
Name	OJ991103_03.0125.C7.o2.gp	Method	AAT/GAP
Start	2679	End	2775
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	2679..2775		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12366	Strand	-
Start	12161	End	13188
Name	OJ991103_03.0125.C7.o5.gp	Method	AAT/GAP
Start	12161	End	12674
GI	41448_1.R1084	Score	836
Exons	12161..12674		
GI Descrip.	'5281036/emb CAB45972.1 1.0e-39 (AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12366	Strand	-
Start	12161	End	13188
Name	OJ991103_03.0125.C7.o6.gp	Method	AAT/GAP
Start	12548	End	13188
GI	none	Score	1200
Exons	12548..13188		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12367	Strand	-
Start	13479	End	16472
Name	OJ991103_03.0125.C7.o4.gs	Method	GENSCAN
Start	13479	End	16472
GI	none	Score	.58
Exons	13479..13762, 15997..16157, 16462..16472		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.tc	Method	TBLASTX:Cress
Start	11483	End	11902
GI	none	Score	88
Exons	11483..11578, 11704..11832, 11717..11902		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.ts	Method	TBLASTX:Soybean
Start	11717	End	12769
GI	none	Score	466
Exons	11717..12097, 11758..11832, 11887..12096, 12106..12474, 12107..12475, 12523..12747, 12524..12769		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.tm	Method	TBLASTX:Maize
Start	11777	End	11983
GI	none	Score	287
Exons	11777..11983, 11779..11832		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tc	Method	TBLASTX:Cress
Start	11906	End	12793

GI	none	Score	225
Exons	11906..12100, 11983..12099, 12091..12375, 12104..12475, 12311..12451, 12427..12474, 12527..12565, 12532..12564, 12565..12747, 12566..12793		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.tm	Method	TBLASTX:Maize
Start	12047	End	12769
GI	none	Score	63
Exons	12047..12097, 12106..12474, 12107..12475, 12508..12606, 12523..12747, 12524..12769		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o5.tm	Method	TBLASTX:Maize
Start	19149	End	19472
GI	none	Score	44
Exons	19149..19190, 19152..19229, 19214..19468, 19230..19472		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o6.gs	Method	GENSCAN
Start	21879	End	25125
GI	none	Score	.8
Exons	21879..21883, 22541..22866, 22982..25125		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tw	Method	TBLASTX:Wheat
Start	22485	End	22851
GI	none	Score	336
Exons	22485..22850, 22497..22847, 22498..22851		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	22512	End	24354
GI	none	Score	513
Exons	22512..22967, 22513..22974, 22982..23476, 22984..24354, 22985..24352		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.ts	Method	TBLASTX:Soybean
Start	22512	End	23166
GI	none	Score	187
Exons	22512..22943, 22521..22940, 22522..22977, 22987..23166, 22991..23143, 23023..23157		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
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Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.np	Method	AAT/NAP
Start	22512	End	25201
GI	2160156	Score	3448
Exons	22512..25201		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb Z73100). [Arabidopsis thaliana]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.tc	Method	TBLASTX:Cress
Start	22513	End	22883
GI	none	Score	214
Exons	22513..22878, 22515..22883		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o5.ts	Method	TBLASTX:Soybean
Start	23248	End	23589
GI	none	Score	228
Exons	23248..23589, 23249..23587, 23251..23589		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.ts	Method	TBLASTX:Soybean
Start	23590	End	24352
GI	none	Score	255
Exons	23590..23823, 23591..23821, 23818..24351, 23822..24352		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o8.gp	Method	AAT/GAP
Start	23890	End	24425
GI	LIB3475-007-P1-K1-D9	Score	1060
Exons	23890..24425		
GI Descrip.	'2160156 2.0e-81 (AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb_Z73100): [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.ts	Method	TBLASTX:Soybean
Start	24352	End	24688
GI	none	Score	280
Exons	24352..24687, 24419..24688		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.tm	Method	TBLASTX:Maize
Start	24390	End	24702
GI	none	Score	266

Exons 24390..24698, 24391..24702, 24419..24700

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.tc	Method	TBLASTX:Cress
Start	24916	End	25201
GI	none	Score	272
Exons	24916..25200, 24926..25201		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12369	Strand	+
Start	1293	End	1502
Name	OJ991103_03.0125.C8.o1.gs	Method	GENSCAN
Start	1293	End	1502
GI	none	Score	.93
Exons	1293..1502		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12370	Strand	-
Start	1	End	306
Name	OJ991103_03.0125.C8.o1.np	Method	AAT/NAP
Start	1	End	306
GI	2160156	Score	369
Exons	1..306		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb Z73100). [Arabidopsis thaliana]		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	20	End	291
GI	none	Score	132
Exons	20..241, 22..282, 22..153, 208..291		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o3.ts	Method	TBLASTX:Soybean
Start	34	End	298
GI	none	Score	120
Exons	34..153, 38..172, 208..297, 209..298		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o2.gs	Method	GENSCAN
Start	2455	End	3591
GI	none	Score	.97
Exons	2455..3180, 3478..3591		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	2465	End	3180

GI none Score 173
Exons 2465..2671, 2467..2718, 2467..2730, 2468..2746, 2716..2868, 2720..2842, 2875..2991, 2879..2941, 2953..2994, 3052..3180, 3056..3175

Seq. No. 5849 Seq. ID OJ991103_03.0125.C8
Gene No. 12371 Strand -
Start 2455 End 3591
Name OJ991103_03.0125.C8.o2.np Method AAT/NAP
Start 2470 End 3566
GI 5123942 Score 649
Exons 2470..3180, 3475..3566
GI Descrip. (AL079349) putative protein [Arabidopsis thaliana]

Seq. No. 5849 Seq. ID OJ991103_03.0125.C8
Gene No. 12371 Strand -
Start 2455 End 3591
Name OJ991103_03.0125.C8.o2.tc Method TBLASTX:Cress
Start 2473 End 2653
GI none Score 136
Exons 2473..2640, 2474..2653

Seq. No. 5849 Seq. ID OJ991103_03.0125.C8
Gene No. 12371 Strand -
Start 2455 End 3591
Name OJ991103_03.0125.C8.o2.ts Method TBLASTX:Soybean
Start 2473 End 2689
GI none Score 129
Exons 2473..2673, 2474..2584, 2609..2689

Seq. No. 5849 Seq. ID OJ991103_03.0125.C8
Gene No. 12371 Strand -
Start 2455 End 3591
Name OJ991103_03.0125.C8.o1.ts Method TBLASTX:Soybean
Start 2689 End 3174
GI none Score 85
Exons 2689..2721, 2714..2842, 2716..2871, 2875..2994, 2879..2941, 3112..3174

Seq. No. 5850 Seq. ID OJ991103_03.0125.C9
Gene No. 12372 Strand +
Start 1 End 2843
Name OJ991103_03.0125.C9.o2.np Method AAT/NAP
Start 1 End 2843
GI 6069646 Score 472
Exons 1..28, 1853..2843
GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 5850 Seq. ID OJ991103_03.0125.C9
Gene No. 12373 Strand +
Start 6921 End 9914
Name OJ991103_03.0125.C9.o1.gp Method AAT/GAP
Start 6760 End 7201

GI	701961	Score	394
Exons	6760..7005, 7167..7201		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12373	Strand	+
Start	6921	End	9914
Name	OJ991103_03.0125.C9.o3.gs	Method	GENSCAN
Start	6921	End	9895
GI	none	Score	.48
Exons	6921..7005, 7912..8018, 8626..9444, 9790..9895		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12373	Strand	+
Start	6921	End	9914
Name	OJ991103_03.0125.C9.o4.np	Method	AAT/NAP
Start	8659	End	9914
GI	5803254	Score	773
Exons	8659..9444, 9545..9697, 9790..9914		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12374	Strand	-
Start	173	End	2864
Name	OJ991103_03.0125.C9.o1.gs	Method	GENSCAN
Start	173	End	2864
GI	none	Score	.89
Exons	173..314, 431..649, 1929..2054, 2354..2437, 2478..2864		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12374	Strand	-
Start	173	End	2864
Name	OJ991103_03.0125.C9.o1.np	Method	AAT/NAP
Start	173	End	496
GI	5123942	Score	188
Exons	173..314, 431..496		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tc	Method	TBLASTX:Cress
Start	171	End	4657
GI	none	Score	72
Exons	171..245, 174..335, 175..336, 431..487, 4390..4542, 4391..4537, 4616..4657		
Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.ts	Method	TBLASTX:Soybean
Start	171	End	4657
GI	none	Score	125
Exons	171..335, 172..348, 431..487, 4390..4542, 4391..4537, 4405..4539, 4616..4657		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tm	Method	TBLASTX:Maize
Start	174	End	4657
GI	none	Score	112
Exons	174..320, 174..335, 175..336, 431..490, 432..491, 3264..3311, 3305..3502, 3306..3503, 3518..3652, 3605..3661, 3662..3775, 3687..3779, 3848..3955, 3849..3944, 4390..4542, 4391..4537, 4420..4548, 4616..4657		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o4.tm	Method	TBLASTX:Maize
Start	1834	End	2181
GI	none	Score	219
Exons	1834..2091, 1848..2078, 1873..2082, 2098..2181		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.tm	Method	TBLASTX:Maize
Start	2283	End	2741
GI	none	Score	62
Exons	2283..2360, 2372..2605, 2373..2603, 2628..2741		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tw	Method	TBLASTX:Wheat
Start	2372	End	2564
GI	none	Score	204
Exons	2372..2530, 2376..2564		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o3.np	Method	AAT/NAP
Start	3248	End	4681
GI	5123942	Score	783
Exons	3248..3955, 4045..4124, 4395..4536, 4616..4681		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.gs	Method	GENSCAN
Start	3269	End	5068
GI	none	Score	.72
Exons	3269..3979, 4036..4124, 4395..4536, 4616..4837, 5054..5068		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.ts	Method	TBLASTX:Soybean
Start	3515	End	3955

GI	none	Score	49
Exons	3515..3652, 3561..3599, 3656..3778, 3687..3779, 3848..3955, 3849..3941		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12376	Strand	
Start	9062	End	9702
Name	OJ991103_03.0125.C9.o3.tm	Method	TBLASTX:Maize
Start	9062	End	9702
GI	none	Score	75
Exons	9062..9274, 9066..9281, 9066..9287, 9067..9285, 9172..9294, 9260..9382, 9330..9359, 9366..9431, 9367..9429, 9378..9446, 9379..9435, 9521..9607, 9524..9607, 9610..9702, 9611..9700		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12377	Strand	+
Start	1754	End	4378
Name	OJ991103_03.0125.C10.o1.gs	Method	GENSCAN
Start	1754	End	4378
GI	none	Score	.72
Exons	1754..1829, 2023..2132, 2833..3651, 3753..3905, 4001..4378		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12377	Strand	+
Start	1754	End	4378
Name	OJ991103_03.0125.C10.o1.np	Method	AAT/NAP
Start	2866	End	4369
GI	5803254	Score	897
Exons	2866..3651, 3753..3905, 4001..4369		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o3.tm	Method	TBLASTX:Maize
Start	1062	End	5460
GI	none	Score	60
Exons	1062..1163, 1076..1156, 4948..5064, 5065..5298, 5066..5254, 5311..5460		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o1.tw	Method	TBLASTX:Wheat
Start	1088	End	5256
GI	none	Score	122
Exons	1088..1204, 4867..5067, 5143..5256		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	3269	End	4105
GI	none	Score	166
Exons	3269..3439, 3271..3480, 3273..3494, 3274..3492, 3563..3643,		

3575..3652, 3585..3653, 3732..3815, 3744..3827, 3752..3826,
3816..3935, 3842..3910, 4055..4105

Seq. No. 5851 Seq. ID OJ991103_03.0125.C10
Gene No. 12378 Strand -
Start 4840 End 9511
Name OJ991103_03.0125.C10.o2.np Method AAT/NAP
Start 4840 End 9511
GI 6069646 Score 440
Exons 4840..5453, 6257..6599, 6882..7101, 9309..9511
GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315)
[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to
Arabidopsis thaliana chromosome II BAC F9013 genomic sequence,
putative non-LTR retroelement reverse transcriptase. (AC006248)
[Oryza sativa]

Seq. No. 5851 Seq. ID OJ991103_03.0125.C10
Gene No. 12378 Strand -
Start 4840 End 9511
Name OJ991103_03.0125.C10.o2.tm Method TBLASTX:Maize
Start 6671 End 7059
GI none Score 62
Exons 6671..6871, 6671..6880, 6672..6881, 6873..7058, 6894..6920,
6895..7059

Seq. No. 5852 Seq. ID OJ991103_02.0126.C1
Gene No. 12379 Strand +
Start 2526 End 9295
Name OJ991103_02.0126.C1.o2.gs Method GENSCAN
Start 2526 End 9086
GI none Score .95
Exons 2526..2720, 3124..3291, 3385..3474, 3855..3991, 4070..4160,
4301..4383, 4465..4571, 5363..5515, 6902..6980, 7072..7180,
7368..7454, 8368..8427, 8772..8890, 8993..9086

Seq. No. 5852 Seq. ID OJ991103_02.0126.C1
Gene No. 12379 Strand +
Start 2526 End 9295
Name OJ991103_02.0126.C1.o2.np Method AAT/NAP
Start 2535 End 9295
GI 6598445 Score 1044
Exons 2535..2744, 3124..3291, 3855..3991, 4070..4177, 4252..4420,
4466..4571, 5363..5543, 7069..7180, 8368..8427, 8772..8890,
8993..9295

GI Descrip. (AC005168) unknown protein [Arabidopsis thaliana]

Seq. No. 5852 Seq. ID OJ991103_02.0126.C1
Gene No. 12380 Strand -
Start 1 End 2113
Name OJ991103_02.0126.C1.o1.np Method AAT/NAP
Start 1 End 2113
GI 3850583 Score 166
Exons 1..180, 657..778, 1933..2113
GI Descrip. (AC005278) Contains similarity to transcription initiation
factor IIE, alpha subunit gb|X63468 from Homo sapiens.
[Arabidopsis thaliana]

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.ts	Method	TBLASTX:Soybean
Start	571	End	744
GI	none	Score	214
Exons	571..738, 572..739, 573..743, 574..744		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.gs	Method	GENSCAN
Start	574	End	2118
GI	none	Score	.99
Exons	574..741, 850..1143, 1542..1718, 1855..2118		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.np	Method	AAT/NAP
Start	574	End	2323
GI	6598445	Score	1104
Exons	574..741, 850..1143, 1542..1718, 1855..2144, 2302..2323		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o2.ts	Method	TBLASTX:Soybean
Start	1584	End	2010
GI	none	Score	35
Exons	1584..1640, 1677..1721, 1846..2010, 1853..1984, 1854..2009		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	3193
GI	6598445	Score	492
Exons	1..189, 537..725, 1400..1526, 1815..1957, 2072..2191, 2292..2351, 3005..3193		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.gs	Method	GENSCAN
Start	51	End	3217
GI	none	Score	.88
Exons	51..204, 294..404, 558..725, 1400..1526, 1815..1973, 2308..2351, 3005..3217		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.gp	Method	AAT/GAP
Start	2134	End	4585

GI 3859_1.R1084 Score 2012
 Exons 2134..2191, 2292..2351, 3005..3504, 4039..4585
 GI Descrip. '3426048 6.0e-26 (AC005168) putative hydroxymethylglutaryl-CoA
 lyase precursor [Arabidopsis thaliana]'

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12383 Strand +
 Start 10393 End 20932
 Name OJ991103_02.0126.C3.o3.gs Method GENSCAN
 Start 10393 End 20932
 GI none Score .84
 Exons 10393..11103, 11405..11460, 12458..12581, 12666..12776,
 12900..13037, 13202..13270, 13516..13584, 14466..14519,
 14598..14739, 15093..15169, 15209..15323, 15943..16087,
 17974..19100, 19486..19735, 19847..19932, 20027..20184,
 20674..20809, 20847..20932

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12383 Strand +
 Start 10393 End 20932
 Name OJ991103_02.0126.C3.o4.np Method AAT/NAP
 Start 10421 End 14745
 GI 2230873 Score 272
 Exons 10421..11208, 12440..12776, 12900..13037, 13202..13276,
 13368..13429, 13717..13777, 14329..14380, 14466..14519,
 14598..14745

GI Descrip. (X98494) M phase phosphoprotein 10 [Homo sapiens]

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12383 Strand +
 Start 10393 End 20932
 Name OJ991103_02.0126.C3.o6.np Method AAT/NAP
 Start 18062 End 20737
 GI 3377509 Score 1545
 Exons 18062..19204, 19461..19735, 19847..19932, 20027..20184,
 20275..20351, 20674..20737

GI Descrip. (AF056027) auxin transport protein REH1 [Oryza sativa]

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12384 Strand +
 Start 23262 End 27853
 Name OJ991103_02.0126.C3.o4.gs Method GENSCAN
 Start 23262 End 27853
 GI none Score .88
 Exons 23262..23396, 23898..24628, 25006..25058, 25183..25247,
 25327..25405, 25823..26122, 26956..27122, 27169..27360,
 27788..27853

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12384 Strand +
 Start 23262 End 27853
 Name OJ991103_02.0126.C3.o4.gp Method AAT/GAP
 Start 24135 End 25415
 GI 4714793 Score 1251
 Exons 24135..24628, 25006..25058, 25183..25247, 25327..25415
 GI Descrip. 6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1
 protein-tyrosine phosphatase ortholog

>gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12384	Strand	+
Start	23262	End	27853
Name	OJ991103_02.0126.C3.o6.gp	Method	AAT/GAP
Start	27058	End	27316
GI	2275895	Score	427
Exons	27058..27316		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12385	Strand	+
Start	33419	End	34443
Name	OJ991103_02.0126.C3.o6.gs	Method	GENSCAN
Start	33419	End	34443
GI	none	Score	.82
Exons	33419..33572, 34241..34443		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12386	Strand	+
Start	38892	End	40163
Name	OJ991103_02.0126.C3.o10.np	Method	AAT/NAP
Start	38892	End	40163
GI	6630695	Score	399
Exons	38892..38983, 39088..39190, 39279..39332, 39412..39474, 39565..39614, 39694..39769, 39960..40163		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o2.np	Method	AAT/NAP
Start	1	End	5454
GI	4539658	Score	51
Exons	1..31, 3502..3660, 5430..5454		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o2.gs	Method	GENSCAN
Start	4336	End	10007
GI	none	Score	.87
Exons	4336..4569, 4687..4802, 5049..5185, 5281..5444, 6104..6283, 6549..6681, 6945..7064, 7536..7588, 7648..7818, 9056..9212, 9259..9323, 9864..10007		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o3.np	Method	AAT/NAP
Start	4345	End	6274
GI	547653	Score	851

Exons 4345..4569, 4687..4802, 5049..5185, 5281..5444, 5582..5662, 6104..6274
 GI Descrip. HYDROXYMETHYLGLUTARYL-COA LYASE (HMG-COA LYASE) (HL)
 (3-HYDROXY-3-METHYLGLUTARATE-COA LYASE) gi|482999|pir||B45470
 hydroxymethylglutaryl-CoA lyase (EC 4.1.3.4) - chicken

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12387 Strand -
 Start 1 End 10007
 Name OJ991103_02.0126.C3.o2.gp Method AAT/GAP
 Start 5266 End 6604
 GI uC-osflM202047h01b1 Score 856
 Exons 5266..5444, 5582..5662, 6104..6283, 6549..6604
 GI Descrip. '3426048 2.0e-43 (AC005168) putative hydroxymethylglutaryl-CoA
 lyase precursor [Arabidopsis thaliana]'

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12387 Strand -
 Start 1 End 10007
 Name OJ991103_02.0126.C3.o3.gp Method AAT/GAP
 Start 7168 End 7633
 GI 4879942 Score 932
 Exons 7168..7633

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12388 Strand -
 Start 17362 End 18787
 Name OJ991103_02.0126.C3.o5.np Method AAT/NAP
 Start 17362 End 18787
 GI 5852084 Score 88
 Exons 17362..17445, 18740..18787
 GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12389 Strand -
 Start 26527 End 26716
 Name OJ991103_02.0126.C3.o5.gp Method AAT/GAP
 Start 26527 End 26716
 GI 4714794 Score 278
 Exons 26527..26716

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12390 Strand -
 Start 28620 End 32847
 Name OJ991103_02.0126.C3.o7.gp Method AAT/GAP
 Start 28620 End 29631
 GI 31161_1.R1084 Score 1362
 Exons 28620..28965, 29074..29173, 29256..29383, 29477..29631
 GI Descrip. '639722 8.0e-68 (L27484) calcium-dependent protein kinase [Zea
 mays]'

Seq. No. 5854 Seq. ID OJ991103_02.0126.C3
 Gene No. 12390 Strand -
 Start 28620 End 32847
 Name OJ991103_02.0126.C3.o7.np Method AAT/NAP
 Start 28864 End 30750
 GI 639722 Score 1983

Exons 28864..28965, 29074..29173, 29256..29383, 29477..29644,
29717..29832, 29967..30750

GI Descrip. (L27484) calcium-dependent protein kinase [Zea mays]

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12390	Strand	-
Start	28620	End	32847
Name	OJ991103_02.0126.C3.o8.np	Method	AAT/NAP
Start	30570	End	32847
GI	4929629	Score	237
Exons	30570..30643, 31790..31983, 32090..32328, 32454..32560, 32670..32847		

GI Descrip. (AF151838) CGI-80 protein [Homo sapiens]

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tc	Method	TBLASTX:Cress
Start	39	End	422
GI	none	Score	160
Exons	39..203, 43..204, 291..422, 293..403		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o8.ts	Method	TBLASTX:Soybean
Start	60	End	662
GI	none	Score	145
Exons	60..203, 61..204, 291..404, 293..415, 555..662		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o13.tm	Method	TBLASTX:Maize
Start	306	End	1906
GI	none	Score	136
Exons	306..404, 307..438, 308..418, 544..732, 548..733, 548..733, 555..758, 1397..1492, 1399..1506, 1401..1526, 1807..1905, 1808..1906, 1820..1906		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o16.tm	Method	TBLASTX:Maize
Start	1955	End	3181
GI	none	Score	37
Exons	1955..1972, 2085..2195, 2086..2163, 2087..2206, 2087..2191, 2130..2198, 2277..2351, 2280..2369, 2985..3176, 2999..3175, 3002..3181		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o9.tm	Method	TBLASTX:Maize
Start	4337	End	4537
GI	none	Score	243
Exons	4337..4528, 4347..4529, 4372..4536, 4373..4537		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tc	Method	TBLASTX:Cress
Start	4372	End	5161
GI	none	Score	212
Exons	4372..4590, 4373..4573, 4512..4580, 4652..4786, 4681..4803, 4684..4803, 4688..4804, 4976..5161, 5047..5160		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.ts	Method	TBLASTX:Soybean
Start	4378	End	6289
GI	none	Score	221
Exons	4378..4590, 4379..4567, 4390..4572, 4684..4803, 4691..4804, 4976..5185, 5023..5187, 5043..5198, 5047..5184, 5067..5186, 5271..5366, 5275..5457, 5320..5451, 5582..5659, 6101..6289, 6108..6269		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.tm	Method	TBLASTX:Maize
Start	4684	End	6260
GI	none	Score	119
Exons	4684..4803, 4684..4803, 4691..4804, 4694..4804, 4976..5185, 4984..5187, 5047..5184, 5067..5186, 5271..5366, 5275..5445, 5278..5436, 5582..5668, 5582..5659, 5583..5684, 6101..6259, 6102..6260		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tw	Method	TBLASTX:Wheat
Start	5582	End	6286
GI	none	Score	59
Exons	5582..5659, 5583..5684, 6099..6269, 6100..6267, 6101..6286, 6102..6272		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o12.tm	Method	TBLASTX:Maize
Start	10525	End	10716
GI	none	Score	247
Exons	10525..10716, 10545..10631, 10612..10665		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.tw	Method	TBLASTX:Wheat
Start	12456	End	12956
GI	none	Score	65
Exons	12456..12521, 12457..12513, 12630..12776, 12646..12777, 12653..12778, 12653..12778, 12654..12779, 12898..12954,		

12898..12954, 12899..12955, 12900..12956

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o14.tm	Method	TBLASTX:Maize
Start	12680	End	12989
GI	none	Score	146
Exons	12680..12781, 12681..12779, 12898..12975, 12898..12963, 12899..12988, 12900..12989		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o9.ts	Method	TBLASTX:Soybean
Start	12731	End	13037
GI	none	Score	67
Exons	12731..12781, 12732..12779, 12899..13036, 12900..13037		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o8.tm	Method	TBLASTX:Maize
Start	14327	End	14739
GI	none	Score	104
Exons	14327..14383, 14329..14382, 14465..14518, 14466..14522, 14595..14672, 14595..14639, 14689..14739		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tc	Method	TBLASTX:Cress
Start	18061	End	20770
GI	none	Score	344
Exons	18061..18435, 18062..18289, 18347..18436, 18466..18588, 18467..18631, 18512..18631, 18752..18898, 18775..18867, 18961..19023, 18965..19024, 19500..19565, 19605..19736, 19607..19738, 19607..19750, 19842..19949, 19844..19939, 20025..20177, 20026..20190, 20272..20352, 20274..20351, 20657..20770, 20674..20745		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tm	Method	TBLASTX:Maize
Start	18061	End	18400
GI	none	Score	425
Exons	18061..18399, 18062..18400		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.ts	Method	TBLASTX:Soybean
Start	18065	End	18436
GI	none	Score	363
Exons	18065..18436, 18088..18435		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o15.tm	Method	TBLASTX:Maize
Start	18401	End	18634
GI	none	Score	55
Exons	18401..18436, 18402..18434, 18403..18435, 18466..18588, 18467..18631, 18512..18634		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.ts	Method	TBLASTX:Soybean
Start	18466	End	18631
GI	none	Score	245
Exons	18466..18591, 18467..18631, 18512..18625		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.ts	Method	TBLASTX:Soybean
Start	18980	End	20740
GI	none	Score	75
Exons	18980..19024, 19500..19523, 19575..19736, 19592..19729, 19598..19738, 19812..19949, 19841..19948, 19941..20183, 20026..20190, 20187..20327, 20271..20348, 20272..20349, 20657..20740		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.tm	Method	TBLASTX:Maize
Start	19613	End	20103
GI	none	Score	206
Exons	19613..19735, 19614..19736, 19616..19738, 19812..19949, 19844..19939, 20025..20102, 20026..20103		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.tw	Method	TBLASTX:Wheat
Start	19637	End	20328
GI	none	Score	87
Exons	19637..19723, 19647..19736, 19650..19727, 20023..20190, 20025..20180, 20272..20328		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o17.tm	Method	TBLASTX:Maize
Start	20104	End	20737
GI	none	Score	106
Exons	20104..20190, 20109..20180, 20272..20349, 20274..20348, 20660..20737		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-

Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tm	Method	TBLASTX:Maize
Start	24191	End	25078
GI	none	Score	81
Exons	24191..24244, 24192..24257, 24299..24628, 24306..24626, 24533..24628, 24544..24633, 25004..25078, 25007..25057		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.ts	Method	TBLASTX:Soybean
Start	24210	End	26473
GI	none	Score	46
Exons	24210..24257, 24302..24376, 24306..24377, 24429..24626, 24489..24623, 24494..24628, 25004..25078, 25176..25256, 25320..25403, 25324..25398, 25933..26052, 25938..26090, 26065..26115, 26266..26421, 26306..26473, 26306..26461		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o10.tm	Method	TBLASTX:Maize
Start	25863	End	26395
GI	none	Score	37
Exons	25863..25886, 25864..25902, 25897..26121, 25940..26035, 25945..26037, 25947..26120, 26066..26122, 26304..26393, 26304..26393, 26305..26394, 26306..26395		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tc	Method	TBLASTX:Cress
Start	28915	End	30772
GI	none	Score	75
Exons	28915..28965, 29077..29172, 29255..29383, 29261..29383, 29477..29629, 29592..29651, 29714..29833, 29720..29833, 29965..30771, 29969..30772		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tw	Method	TBLASTX:Wheat
Start	28915	End	29566
GI	none	Score	42
Exons	28915..28965, 29111..29173, 29230..29355, 29238..29369, 29245..29400, 29255..29383, 29453..29566		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.tm	Method	TBLASTX:Maize
Start	28918	End	29383
GI	none	Score	53
Exons	28918..28968, 28918..28965, 29072..29173, 29074..29172, 29255..29383, 29258..29380		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
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Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.ts	Method	TBLASTX:Soybean
Start	29255	End	30765
GI	none	Score	394
Exons	29255..29383, 29477..29629, 29714..29815, 29813..29833, 29968..30765, 29999..30577, 30641..30748		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tm	Method	TBLASTX:Maize
Start	29472	End	30793
GI	none	Score	106
Exons	29472..29642, 29474..29638, 29714..29854, 29715..29828, 29717..29833, 29959..30459, 29965..30771, 29996..30793		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tw	Method	TBLASTX:Wheat
Start	29968	End	30318
GI	none	Score	225
Exons	29968..30318, 29981..30292		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tw	Method	TBLASTX:Wheat
Start	30322	End	30600
GI	none	Score	265
Exons	30322..30600, 30323..30577		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o10.ts	Method	TBLASTX:Soybean
Start	31791	End	32109
GI	none	Score	118
Exons	31791..31991, 31810..31986, 31815..31991, 32086..32109		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o11.tm	Method	TBLASTX:Maize
Start	32117	End	32329
GI	none	Score	210
Exons	32117..32302, 32125..32307, 32126..32329, 32136..32327		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.ts	Method	TBLASTX:Soybean
Start	33420	End	40162
GI	none	Score	45
Exons	33420..33464, 33464..33523, 33521..33565, 38234..38281, 38702..38764, 38877..38981, 38879..38974, 39092..39190,		

39097..39183, 39273..39323, 39278..39334, 39412..39474,
39412..39474, 39692..39769, 40070..40162

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.gs	Method	GENSCAN
Start	37518	End	37687
GI	none	Score	.54
Exons	37518..37551, 37677..37687		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tm	Method	TBLASTX:Maize
Start	38744	End	40159
GI	none	Score	36
Exons	38744..38779, 38877..38981, 38879..38962, 39085..39189, 39092..39190, 39273..39320, 39412..39474, 39433..39474, 39553..39618, 39561..39614, 39686..39820, 39691..39807, 39936..39980, 40082..40159		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o2.np	Method	AAT/NAP
Start	1295	End	6912
GI	6063554	Score	167
Exons	1295..1338, 5179..5420, 6075..6106, 6743..6912		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o1.gp	Method	AAT/GAP
Start	1304	End	1384
GI	5867_1.R1084	Score	107
Exons	1304..1384		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_(Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o2.gs	Method	GENSCAN
Start	2692	End	3316
GI	none	Score	.97
Exons	2692..2781, 3089..3168, 3238..3316		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
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Gene No.	12393	Strand	+
Start	13963	End	15579
Name	OJ991103_02.0126.C5.o5.gs	Method	GENSCAN
Start	13963	End	15579
GI	none	Score	.8
Exons	13963..14074, 14333..14550, 15466..15579		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12394	Strand	+
Start	17691	End	17899
Name	OJ991103_02.0126.C5.o3.gp	Method	AAT/GAP
Start	17691	End	17899
GI	426546	Score	341
Exons	17691..17899		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12395	Strand	+
Start	23608	End	23747
Name	OJ991103_02.0126.C5.o4.np	Method	AAT/NAP
Start	23608	End	23747
GI	6630695	Score	104
Exons	23608..23747		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o1.np	Method	AAT/NAP
Start	1	End	8206
GI	3649772	Score	73
Exons	1..42, 865..1069, 1313..1384, 8166..8206		
GI Descrip.	(Z98547) predicted using hexExon; MAL3P3.18 (PFC0425w), Hypothetical protein, len: 4551 aa [Plasmodium falciparum]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o1.gs	Method	GENSCAN
Start	302	End	1016
GI	none	Score	.96
Exons	302..566, 865..1016		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o3.gs	Method	GENSCAN
Start	5161	End	6729
GI	none	Score	.65
Exons	5161..5227, 5232..5327, 5347..5703, 6611..6729		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o3.np	Method	AAT/NAP
Start	5270	End	12318

GI 6552743 Score 369
 Exons 5270..5363, 8186..8318, 8481..8632, 8744..8907, 9019..9282,
 9529..9651, 9787..9852, 12134..12318
 GI Descrip. (AC013482) T26F17.11 [Arabidopsis thaliana]

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12396 Strand -
 Start 1 End 12662
 Name OJ991103_02.0126.C5.o2.gp Method AAT/GAP
 Start 7304 End 7576
 GI 61605_1.R1084 Score 442
 Exons 7304..7576
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12396 Strand -
 Start 1 End 12662
 Name OJ991103_02.0126.C5.o4.gs Method GENSCAN
 Start 8111 End 12662
 GI none Score .75
 Exons 8111..8318, 8624..8700, 8744..8902, 9624..9651, 12134..12387,
 12591..12662

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12397 Strand -
 Start 16787 End 18139
 Name OJ991103_02.0126.C5.o6.gs Method GENSCAN
 Start 16787 End 18139
 GI none Score .83
 Exons 16787..17110, 17747..17991, 18040..18139

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12398 Strand -
 Start 18951 End 23694
 Name OJ991103_02.0126.C5.o1.tm Method TBLASTX:Maize
 Start 8481 End 8902
 GI none Score 180
 Exons 8481..8633, 8481..8633, 8483..8659, 8483..8641, 8751..8831,
 8752..8808, 8753..8824, 8755..8832, 8801..8830, 8832..8900,
 8835..8894, 8840..8902

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12398 Strand -
 Start 18951 End 23694
 Name OJ991103_02.0126.C5.o1.tc Method TBLASTX:Cress
 Start 14448 End 23694
 GI none Score 80
 Exons 14448..14549, 17899..17997, 17900..18016, 21110..21247,
 23250..23321, 23439..23513, 23450..23524, 23589..23690,
 23593..23694

Seq. No. 5855 Seq. ID OJ991103_02.0126.C5
 Gene No. 12398 Strand -
 Start 18951 End 23694
 Name OJ991103_02.0126.C5.o7.gs Method GENSCAN
 Start 18951 End 23690

GI	none	Score	.88
Exons	18951..19041, 20811..21080, 23590..23690		
Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	876
GI	6630695	Score	201
Exons	1..90, 176..251, 656..876		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.gp	Method	AAT/GAP
Start	660	End	876
GI	426600	Score	373
Exons	660..876		

Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	662	End	862
GI	none	Score	264
Exons	662..862, 666..857		

Seq. No.	5857	Seq. ID	OJ991103_02.0126.C8
Gene No.	12400	Strand	+
Start	1	End	153
Name	OJ991103_02.0126.C8.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	3763837	Score	273
Exons	1..153		
GI Descrip.	730580/sp P41095 RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12401	Strand	+
Start	1	End	926
Name	OJ991103_02.0126.C9.o1.np	Method	AAT/NAP
Start	1	End	845
GI	6498423	Score	151
Exons	1..174, 577..662, 746..845		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12401	Strand	+
Start	1	End	926
Name	OJ991103_02.0126.C9.o1.gs	Method	GENSCAN
Start	577	End	926
GI	none	Score	.46
Exons	577..662, 746..926		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12402	Strand	-
Start	1333	End	1430
Name	OJ991103_02.0126.C9.o1.tm	Method	TBLASTX:Maize
Start	131	End	1430
GI	none	Score	73
Exons	131..181, 132..194, 573..716, 575..661, 576..662, 745..861, 746..862, 1205..1261, 1206..1250, 1297..1422, 1320..1430, 1333..1422		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12402	Strand	-
Start	1333	End	1430
Name	OJ991103_02.0126.C9.o1.gp	Method	AAT/GAP
Start	1333	End	1423
GI	LIB3433-057-P1-K1-F3	Score	131
Exons	1333..1423		
GI Descrip.	'730580/sp P41095 RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.gs	Method	GENSCAN
Start	215	End	4934
GI	none	Score	.66
Exons	215..264, 500..528, 2505..2992, 3075..3143, 3823..3921, 4001..4393, 4791..4934		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.gp	Method	AAT/GAP
Start	221	End	751
GI	LIB3433-057-P1-K1-F3	Score	701
Exons	221..264, 416..751		
GI Descrip.	'730580/sp P41095 RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o2.gp	Method	AAT/GAP
Start	691	End	926
GI	3760950	Score	290
Exons	691..926		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o3.gp	Method	AAT/GAP
Start	2688	End	3878
GI	738_4.R1084	Score	789
Exons	2688..2992, 3075..3143, 3823..3878		

GI Descrip. '730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL
 PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal
 protein P0 [Oryza sativa]'

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o2.tw	Method	TBLASTX:Wheat
Start	2699	End	2997
GI	none	Score	389
Exons	2699..2974, 2743..2997		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tc	Method	TBLASTX:Cress
Start	2708	End	4398
GI	none	Score	300
Exons	2708..2971, 2749..2988, 3074..3145, 3075..3146, 3820..3927, 3862..3924, 3991..4395, 3998..4393, 4000..4398		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tm	Method	TBLASTX:Maize
Start	2729	End	4395
GI	none	Score	351
Exons	2729..2968, 2743..2997, 3065..3145, 3075..3146, 3820..3927, 3862..3924, 3991..4395, 3998..4393, 4000..4395		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.ts	Method	TBLASTX:Soybean
Start	2732	End	4395
GI	none	Score	62
Exons	2732..2779, 2749..2784, 2783..2971, 2785..2997, 3065..3145, 3075..3146, 3820..3927, 3862..3927, 3991..4395, 3998..4393, 4000..4395		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.np	Method	AAT/NAP
Start	2735	End	4931
GI	730580	Score	1433
Exons	2735..2992, 3075..3143, 3823..3921, 4001..4393, 4791..4931		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P0 gi 455401 dbj BAA04668 (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tw	Method	TBLASTX:Wheat
Start	3820	End	4288
GI	none	Score	97
Exons	3820..3927, 3862..3924, 3884..3928, 3990..4277, 3991..4284,		

3991..4287, 3998..4288

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o4.gp	Method	AAT/GAP
Start	4126	End	5017
GI	3763837	Score	850
Exons	4126..4393, 4791..5017		
GI Descrip.	730580/sp P41095 RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.gs	Method	GENSCAN
Start	133	End	1001
GI	none	Score	.68
Exons	133..388, 489..658, 850..1001		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.np	Method	AAT/NAP
Start	238	End	1161
GI	6598445	Score	479
Exons	238..391, 489..658, 742..1161		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.ts	Method	TBLASTX:Soybean
Start	928	End	1088
GI	none	Score	206
Exons	928..1086, 1002..1088		

Seq. No.	5861	Seq. ID	OJ991103_02.0126.C12
Gene No.	12405	Strand	-
Start	1	End	153
Name	OJ991103_02.0126.C12.o1.np	Method	AAT/NAP
Start	1	End	153
GI	6630695	Score	64
Exons	1..153		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5862	Seq. ID	OJ991013_01.0126.C2
Gene No.	12406	Strand	-
Start	1708	End	4016
Name	OJ991013_01.0126.C2.o1.gs	Method	GENSCAN
Start	1708	End	4016
GI	none	Score	.63
Exons	1708..1804, 2516..2599, 2940..3227, 3377..3444, 3467..3584, 3904..4016		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12407	Strand	+
Start	1	End	2186
Name	OJ991013_01.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	2132
GI	6735365	Score	1060
Exons	1..203, 318..383, 483..571, 664..754, 853..999, 1099..1191, 1317..1484, 1576..2132		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12407	Strand	+
Start	1	End	2186
Name	OJ991013_01.0126.C3.o1.gs	Method	GENSCAN
Start	54	End	2186
GI	none	Score	.98
Exons	54..203, 318..383, 483..571, 664..754, 853..999, 1099..1191, 1317..1418, 1563..2186		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12408	Strand	+
Start	5831	End	7289
Name	OJ991013_01.0126.C3.o3.np	Method	AAT/NAP
Start	5831	End	7289
GI	6815562	Score	43
Exons	5831..5854, 7221..7289		
GI Descrip.	(AF184380) gag protein [Human immunodeficiency virus type 1]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	700
GI	none	Score	212
Exons	2..205, 3..206, 315..386, 317..382, 484..573, 486..572, 665..700		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2027
GI	none	Score	260
Exons	2..205, 3..206, 315..386, 317..382, 484..573, 486..572, 665..700, 704..754, 706..753, 841..930, 942..992, 949..999, 954..995, 1083..1172, 1096..1209, 1104..1181, 1307..1414, 1307..1417, 1314..1418, 1923..2027		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tm	Method	TBLASTX:Maize
Start	2	End	775
GI	none	Score	178
Exons	2..205, 3..206, 86..217, 315..386, 317..382, 482..577, 486..572, 704..775		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tw	Method	TBLASTX:Wheat
Start	338	End	888
GI	none	Score	51
Exons	338..379, 339..386, 482..610, 486..572, 664..753, 665..754, 841..888		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o4.tm	Method	TBLASTX:Maize
Start	846	End	1418
GI	none	Score	67
Exons	846..911, 850..933, 913..999, 945..995, 1095..1187, 1096..1209, 1307..1417, 1314..1418		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tc	Method	TBLASTX:Cress
Start	952	End	1424
GI	none	Score	66
Exons	952..999, 1096..1209, 1098..1190, 1307..1417, 1314..1424		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o5.tm	Method	TBLASTX:Maize
Start	1853	End	2032
GI	none	Score	276
Exons	1853..2032, 1854..2027		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tw	Method	TBLASTX:Wheat
Start	1856	End	2015
GI	none	Score	177
Exons	1856..1975, 1857..2015		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.np	Method	AAT/NAP
Start	3678	End	6422
GI	4586105	Score	447
Exons	3678..3858, 4314..4531, 4647..4883, 5292..5396, 6365..6422		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tm	Method	TBLASTX:Maize
Start	4316	End	4883
GI	none	Score	144

Exons 4316..4546, 4335..4538, 4633..4695, 4647..4883, 4692..4799

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tc	Method	TBLASTX:Cress
Start	4316	End	4537
GI	none	Score	82
Exons	4316..4537, 4335..4529		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.ts	Method	TBLASTX:Soybean
Start	4388	End	4757
GI	none	Score	142
Exons	4388..4528, 4389..4529, 4416..4538, 4647..4754, 4647..4757		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tw	Method	TBLASTX:Wheat
Start	4848	End	8465
GI	none	Score	241
Exons	4848..4949, 8142..8465, 8294..8464, 8361..8465		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o6.tm	Method	TBLASTX:Maize
Start	6397	End	6713
GI	none	Score	49
Exons	6397..6465, 6408..6479, 6419..6484, 6493..6705, 6504..6713, 6522..6713		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tm	Method	TBLASTX:Maize
Start	7781	End	8234
GI	none	Score	93
Exons	7781..7840, 7782..7853, 7874..8113, 7884..8117, 7918..8118, 7929..8132, 8145..8234, 8154..8234		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.ts	Method	TBLASTX:Soybean
Start	8121	End	8465
GI	none	Score	46
Exons	8121..8171, 8175..8465, 8184..8435, 8333..8464		

Seq. No.	5864	Seq. ID	OJ991013_01.0126.C5
Gene No.	12410	Strand	+
Start	373	End	518
Name	OJ991013_01.0126.C5.o1.gs	Method	GENSCAN
Start	373	End	518

GI	none	Score	.74
Exons	373..518		
Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12411	Strand	+
Start	1	End	3453
Name	OJ991013_01.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	409
GI	4335768	Score	227
Exons	1..46, 107..183, 268..409		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12411	Strand	+
Start	1	End	3453
Name	OJ991013_01.0126.C6.o1.gs	Method	GENSCAN
Start	110	End	3453
GI	none	Score	.42
Exons	110..183, 686..704, 3403..3453		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.tc	Method	TBLASTX:Cress
Start	104	End	405
GI	none	Score	92
Exons	104..184, 154..183, 259..405, 266..376		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.tm	Method	TBLASTX:Maize
Start	107	End	405
GI	none	Score	109
Exons	107..184, 259..405, 266..376		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o3.ts	Method	TBLASTX:Soybean
Start	107	End	435
GI	none	Score	109
Exons	107..184, 259..435, 266..376, 270..410		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	5456	End	6214
GI	none	Score	185
Exons	5456..5605, 5470..5991, 5489..5968, 5989..6213, 5990..6214		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.ts	Method	TBLASTX:Soybean

Start	5456	End	7660
GI	none	Score	483
Exons	5456..5977, 5470..5976, 5983..6219, 5984..6214, 7501..7647, 7508..7660		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tw	Method	TBLASTX:Wheat
Start	5456	End	5929
GI	none	Score	429
Exons	5456..5929, 5461..5928		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.np	Method	AAT/NAP
Start	5525	End	7820
GI	5420387	Score	227
Exons	5525..6093, 7591..7820		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tc	Method	TBLASTX:Cress
Start	5894	End	6145
GI	none	Score	69
Exons	5894..5968, 5990..6145, 6004..6141		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.ts	Method	TBLASTX:Soybean
Start	7666	End	7974
GI	none	Score	167
Exons	7666..7854, 7667..7858, 7862..7972, 7864..7974		

Seq. No.	5866	Seq. ID	OJ991013_01.0126.C7
Gene No.	12413	Strand	-
Start	11	End	639
Name	OJ991013_01.0126.C7.o1.gs	Method	GENSCAN
Start	11	End	639
GI	none	Score	.52
Exons	11..223, 474..639		

Seq. No.	5867	Seq. ID	OJ991013_01.0126.C8
Gene No.	12414	Strand	-
Start	202	End	492
Name	OJ991013_01.0126.C8.o1.gs	Method	GENSCAN
Start	202	End	492
GI	none	Score	.42
Exons	202..492		

Seq. No.	5868	Seq. ID	OJ991013_01.0126.C9
Gene No.	12415	Strand	-
Start	61	End	2227

Name	OJ991013_01.0126.C9.o1.gs	Method	GENSCAN
Start	61	End	2227
GI	none	Score	.54
Exons	61..218, 826..1042, 2222..2227		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o1.gs	Method	GENSCAN
Start	644	End	2589
GI	none	Score	.75
Exons	644..789, 1322..1417, 2248..2382, 2464..2589		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o1.np	Method	AAT/NAP
Start	647	End	2872
GI	6572475	Score	495
Exons	647..789, 1340..1417, 1981..2144, 2254..2407, 2464..2623, 2848..2872		
GI Descrip.	(AF099940) Serine/arginine-rich protein [Arabidopsis thaliana]		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o2.gp	Method	AAT/GAP
Start	1584	End	1985
GI	none	Score	747
Exons	1584..1985		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o3.gp	Method	AAT/GAP
Start	2105	End	2706
GI	4879390	Score	716
Exons	2105..2144, 2248..2382, 2464..2706		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12417	Strand	-
Start	635	End	1588
Name	OJ991013_01.0126.C10.o1.gp	Method	AAT/GAP
Start	635	End	1588
GI	2311461	Score	403
Exons	635..787, 1338..1431, 1512..1588		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12417	Strand	-
Start	635	End	1588
Name	OJ991013_01.0126.C10.o2.tm	Method	TBLASTX:Maize
Start	636	End	1547
GI	none	Score	105
Exons	636..737, 637..738, 644..745, 734..790, 742..777, 746..790, 1331..1492, 1338..1547, 1338..1517		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
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Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tm	Method	TBLASTX:Maize
Start	1638	End	2270
GI	none	Score	546
Exons	1638..2003, 1638..2003, 1640..2005, 1640..2008, 2003..2143, 2004..2144, 2004..2144, 2005..2145, 2247..2270		
Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tc	Method	TBLASTX:Cress
Start	1978	End	2145
GI	none	Score	51
Exons	1978..2001, 1979..2014, 1990..2139, 2005..2145, 2046..2144		
Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.ts	Method	TBLASTX:Soybean
Start	1979	End	2136
GI	none	Score	49
Exons	1979..2005, 1979..2125, 2005..2136, 2007..2135		
Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tw	Method	TBLASTX:Wheat
Start	1996	End	2139
GI	none	Score	185
Exons	1996..2139, 2005..2136		
Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.gp	Method	AAT/GAP
Start	519	End	795
GI	none	Score	499
Exons	519..795		
Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.gs	Method	GENSCAN
Start	555	End	932
GI	none	Score	.73
Exons	555..932		
Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.np	Method	AAT/NAP
Start	555	End	2278
GI	4056477	Score	578
Exons	555..902, 1395..1495, 1830..2111, 2216..2278		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tc	Method	TBLASTX:Cress
Start	809	End	2281
GI	none	Score	121
Exons	809..907, 810..905, 1386..1436, 1394..1438, 1437..1514, 1438..1497, 1832..1891, 1836..1892, 1907..2113, 1908..2111, 1919..2089, 1920..2108, 1932..2108, 2170..2268, 2216..2281		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.ts	Method	TBLASTX:Soybean
Start	809	End	2269
GI	none	Score	124
Exons	809..907, 810..905, 1386..1436, 1389..1496, 1392..1436, 1394..1438, 1406..1495, 1438..1497, 1832..1873, 1833..1997, 1902..1994, 1917..1994, 1919..2089, 1920..2108, 1992..2108, 1992..2093, 2216..2269		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tm	Method	TBLASTX:Maize
Start	1392	End	2299
GI	none	Score	59
Exons	1392..1436, 1818..1907, 1832..1891, 1866..2111, 1885..1974, 1902..2111, 2026..2115, 2034..2090, 2203..2286, 2216..2287, 2216..2299, 2221..2289		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tw	Method	TBLASTX:Wheat
Start	1392	End	2260
GI	none	Score	54
Exons	1392..1436, 1920..2108, 1928..2107, 2213..2260		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o2.gs	Method	GENSCAN
Start	1445	End	2281
GI	none	Score	.66
Exons	1445..1495, 1830..2111, 2216..2281		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o2.gp	Method	AAT/GAP
Start	2018	End	2457
GI	43801_1.R1084	Score	597
Exons	2018..2111, 2216..2457		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	5871	Seq. ID	OJ991013_01.0126.C15
Gene No.	12420	Strand	+
Start	148	End	621
Name	OJ991013_01.0126.C15.o1.gp	Method	AAT/GAP
Start	148	End	621
GI	48882_1.R1084	Score	903
Exons	148..621		
GI Descrip.	'5091597/gb AC007858.1 10A19I 7.0e-31 Oryza sativa chromosome 1 BAC 10A19I, complete sequence'		

Seq. No.	5871	Seq. ID	OJ991013_01.0126.C15
Gene No.	12421	Strand	-
Start	103	End	611
Name	OJ991013_01.0126.C15.o1.gs	Method	GENSCAN
Start	103	End	611
GI	none	Score	.65
Exons	103..420, 525..611		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12422	Strand	+
Start	1439	End	2719
Name	OJ991013_01.0126.C18.o1.gs	Method	GENSCAN
Start	1439	End	2719
GI	none	Score	.61
Exons	1439..2719		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12423	Strand	+
Start	8797	End	10498
Name	OJ991013_01.0126.C18.o4.gs	Method	GENSCAN
Start	8797	End	10498
GI	none	Score	.51
Exons	8797..8858, 9831..9970, 10027..10259, 10286..10498		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12424	Strand	+
Start	14396	End	16546
Name	OJ991013_01.0126.C18.o6.gs	Method	GENSCAN
Start	14396	End	16546
GI	none	Score	.77
Exons	14396..14551, 14617..15537, 16233..16260, 16422..16546		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12425	Strand	-
Start	3887	End	6475
Name	OJ991013_01.0126.C18.o2.gs	Method	GENSCAN
Start	3887	End	6475
GI	none	Score	.74
Exons	3887..3987, 6025..6475		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12426	Strand	-
Start	6684	End	8154
Name	OJ991013_01.0126.C18.o3.gs	Method	GENSCAN
Start	6684	End	8154
GI	none	Score	.85
Exons	6684..7122, 7169..7398, 8062..8154		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12427	Strand	-
Start	10709	End	14021
Name	OJ991013_01.0126.C18.o5.gs	Method	GENSCAN
Start	10709	End	14021
GI	none	Score	.82
Exons	10709..11498, 11507..12108, 12301..12440, 12478..12621, 12788..12893, 13585..13734, 13932..14021		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12428	Strand	-
Start	18365	End	18554
Name	OJ991013_01.0126.C18.o1.np	Method	AAT/NAP
Start	17039	End	18554
GI	6069646	Score	173
Exons	17039..17264, 18533..18554		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12428	Strand	-
Start	18365	End	18554
Name	OJ991013_01.0126.C18.o7.gs	Method	GENSCAN
Start	18365	End	18508
GI	none	Score	.98
Exons	18365..18508		

Seq. No.	5873	Seq. ID	OJ991013_01.0126.C19
Gene No.	12429	Strand	-
Start	12	End	440
Name	OJ991013_01.0126.C19.o1.gs	Method	GENSCAN
Start	12	End	440
GI	none	Score	.65
Exons	12..440		

Seq. No.	5874	Seq. ID	OJ991013_01.0126.C20
Gene No.	12430	Strand	-
Start	1	End	1782
Name	OJ991013_01.0126.C20.o1.np	Method	AAT/NAP
Start	1	End	1782
GI	4680184	Score	305
Exons	1..1013, 1141..1782		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5875	Seq. ID	OJ991013_01.0126.C21
Gene No.	12431	Strand	-
Start	1215	End	1769
Name	OJ991013_01.0126.C21.o1.np	Method	AAT/NAP
Start	1215	End	1769
GI	6907088	Score	295
Exons	1215..1456, 1632..1769		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12432	Strand	+
Start	1761	End	3100
Name	OJ991013_01.0126.C22.o2.gs	Method	GENSCAN
Start	1761	End	3100
GI	none	Score	.63
Exons	1761..1967, 1972..2115, 2324..3100		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12433	Strand	-
Start	1	End	967
Name	OJ991013_01.0126.C22.o1.np	Method	AAT/NAP
Start	1	End	396
GI	4680186	Score	112
Exons	1..93, 234..396		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12433	Strand	-
Start	1	End	967
Name	OJ991013_01.0126.C22.o1.gs	Method	GENSCAN
Start	207	End	967
GI	none	Score	.71
Exons	207..408, 789..967		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12434	Strand	+
Start	1618	End	4855
Name	OJ991013_01.0126.C23.o1.gs	Method	GENSCAN
Start	1618	End	4855
GI	none	Score	.86
Exons	1618..2289, 2370..2535, 3640..3736, 3874..4011, 4089..4185, 4242..4301, 4592..4855		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12435	Strand	+
Start	7219	End	9238
Name	OJ991013_01.0126.C23.o2.gs	Method	GENSCAN
Start	7219	End	9238
GI	none	Score	.48
Exons	7219..7665, 7692..8444, 8554..8576, 8921..9062, 9179..9238		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o3.gs	Method	GENSCAN
Start	11536	End	21363
GI	none	Score	.48
Exons	11536..11633, 11869..11919, 13189..13256, 14195..14268, 14371..14485, 14509..14835, 14938..15291, 16782..16889, 18613..18773, 20700..20770, 21143..21363		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.gp	Method	AAT/GAP
Start	14777	End	15131

GI	572445	Score	465
Exons	14777..14835, 14938..15131		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.ts	Method	TBLASTX:Soybean
Start	20370	End	21044
GI	none	Score	41
Exons	20370..20411, 20370..20630, 20533..21042, 20697..21044		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tm	Method	TBLASTX:Maize
Start	20400	End	21062
GI	none	Score	65
Exons	20400..20624, 20551..20625, 20656..20964, 20706..21062		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.np	Method	AAT/NAP
Start	20420	End	21540
GI	421955	Score	1039
Exons	20420..21540		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi 21434 emb CAA36616 (X52387) ORF4 [Solanum tuberosum]		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tw	Method	TBLASTX:Wheat
Start	20808	End	21236
GI	none	Score	35
Exons	20808..21053, 20819..20860, 20959..21054, 21075..21236, 21076..21228		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tc	Method	TBLASTX:Cress
Start	21066	End	21386
GI	none	Score	207
Exons	21066..21386		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o2.ts	Method	TBLASTX:Soybean
Start	21075	End	21251
GI	none	Score	117
Exons	21075..21251, 21106..21249		
Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540

Name	OJ991013_01.0126.C23.o2.tm	Method	TBLASTX:Maize
Start	21081	End	21345
GI	none	Score	91
Exons	21081..21344, 21082..21345		
Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12437	Strand	+
Start	461	End	642
Name	OJ991013_01.0126.C26.o1.gs	Method	GENSCAN
Start	461	End	642
GI	none	Score	.57
Exons	461..642		
Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12438	Strand	+
Start	767	End	2356
Name	OJ991013_01.0126.C26.o1.np	Method	AAT/NAP
Start	767	End	2356
GI	6907088	Score	196
Exons	767..908, 1136..1380, 2018..2356		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12439	Strand	-
Start	1262	End	2204
Name	OJ991013_01.0126.C26.o2.gs	Method	GENSCAN
Start	1262	End	2204
GI	none	Score	.67
Exons	1262..1386, 1707..1814, 2189..2204		
Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12440	Strand	+
Start	939	End	1755
Name	OJ991013_01.0126.C27.o1.gs	Method	GENSCAN
Start	939	End	1755
GI	none	Score	.56
Exons	939..1011, 1583..1755		
Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12441	Strand	+
Start	4110	End	4641
Name	OJ991013_01.0126.C27.o2.np	Method	AAT/NAP
Start	4110	End	4641
GI	4680186	Score	185
Exons	4110..4272, 4579..4641		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.np	Method	AAT/NAP
Start	1	End	3361
GI	4680179	Score	444
Exons	1..40, 2244..3361		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27

Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.tm	Method	TBLASTX:Maize
Start	2576	End	2872
GI	none	Score	64
Exons	2576..2872, 2697..2843		
Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.tw	Method	TBLASTX:Wheat
Start	2756	End	3130
GI	none	Score	230
Exons	2756..3130		
Seq. No.	5880	Seq. ID	OJ991013_01.0126.C28
Gene No.	12443	Strand	-
Start	4728	End	5560
Name	OJ991013_01.0126.C28.o2.gs	Method	GENSCAN
Start	4728	End	5560
GI	none	Score	.41
Exons	4728..4866, 5439..5560		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12444	Strand	+
Start	384	End	943
Name	OJ991013_01.0126.C29.o1.gs	Method	GENSCAN
Start	384	End	943
GI	none	Score	.63
Exons	384..477, 636..816, 865..943		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.gs	Method	GENSCAN
Start	1247	End	4857
GI	none	Score	.45
Exons	1247..3052, 3308..3683, 3806..3917, 4501..4521, 4719..4857		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.np	Method	AAT/NAP
Start	1250	End	5199
GI	4234852	Score	3602
Exons	1250..3169, 3264..4733, 4776..5199		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o5.tm	Method	TBLASTX:Maize
Start	1289	End	1753
GI	none	Score	65
Exons	1289..1486, 1523..1753, 1533..1697		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29

Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.tw	Method	TBLASTX:Wheat
Start	1301	End	1768
GI	none	Score	45
Exons	1301..1768, 1302..1415, 1485..1673		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.ts	Method	TBLASTX:Soybean
Start	1304	End	1877
GI	none	Score	56
Exons	1304..1480, 1496..1876, 1533..1700, 1794..1877		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tm	Method	TBLASTX:Maize
Start	1766	End	2197
GI	none	Score	133
Exons	1766..2062, 1767..1922, 2036..2197		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tw	Method	TBLASTX:Wheat
Start	1862	End	2642
GI	none	Score	88
Exons	1862..2311, 2025..2156, 2093..2311, 2288..2602, 2297..2641, 2547..2642		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tm	Method	TBLASTX:Maize
Start	2249	End	2642
GI	none	Score	107
Exons	2249..2641, 2334..2486, 2538..2642		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.ts	Method	TBLASTX:Soybean
Start	2312	End	2770
GI	5509260	Score	188
Exons	2312..2770, 2334..2723		
GI Descrip.	-		
Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tc	Method	TBLASTX:Cress
Start	2423	End	2683
GI	none	Score	102
Exons	2423..2683, 2424..2681		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.ts	Method	TBLASTX:Soybean
Start	3350	End	3748
GI	none	Score	38
Exons	3350..3523, 3462..3524, 3527..3676, 3527..3748		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tw	Method	TBLASTX:Wheat
Start	3353	End	3999
GI	none	Score	61
Exons	3353..3451, 3428..3745, 3432..3578, 3624..3671, 3776..3847, 3779..3859, 3850..3999, 3851..3928		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tc	Method	TBLASTX:Cress
Start	3356	End	3736
GI	none	Score	99
Exons	3356..3523, 3563..3736		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.tm	Method	TBLASTX:Maize
Start	3359	End	3748
GI	none	Score	114
Exons	3359..3421, 3452..3520, 3527..3748, 3534..3737		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.ts	Method	TBLASTX:Soybean
Start	3829	End	4185
GI	none	Score	68
Exons	3829..3999, 3892..4185, 4036..4185		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.tw	Method	TBLASTX:Wheat
Start	4036	End	4458
GI	none	Score	56
Exons	4036..4218, 4142..4237, 4204..4458		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o6.tm	Method	TBLASTX:Maize
Start	4288	End	4522
GI	none	Score	81
Exons	4288..4521, 4346..4522		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.tm	Method	TBLASTX:Maize
Start	4636	End	5121
GI	none	Score	108
Exons	4636..4707, 4900..5121, 4942..5121		

Seq. No.	5882	Seq. ID	OJ991013_01.0126.C30
Gene No.	12446	Strand	+
Start	580	End	2039
Name	OJ991013_01.0126.C30.o1.gs	Method	GENSCAN
Start	580	End	2039
GI	none	Score	.74
Exons	580..797, 1076..1119, 1218..1260, 1937..2039		

Seq. No.	5882	Seq. ID	OJ991013_01.0126.C30
Gene No.	12447	Strand	-
Start	1	End	64
Name	OJ991013_01.0126.C30.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	2428590	Score	112
Exons	1..64		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12448	Strand	+
Start	103	End	1190
Name	OJ991013_01.0126.C31.o1.gs	Method	GENSCAN
Start	103	End	1190
GI	none	Score	.87
Exons	103..285, 334..408, 1175..1190		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12449	Strand	+
Start	3612	End	5395
Name	OJ991013_01.0126.C31.o2.gs	Method	GENSCAN
Start	3612	End	5395
GI	none	Score	.93
Exons	3612..4575, 5289..5395		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.np	Method	AAT/NAP
Start	3448	End	7252
GI	6721547	Score	86
Exons	3448..3470, 7153..7252		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.ts	Method	TBLASTX:Soybean
Start	3789	End	4574
GI	none	Score	102
Exons	3789..3878, 3842..4093, 3933..4136, 4137..4277, 4350..4574, 4352..4450		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.tw	Method	TBLASTX:Wheat
Start	3789	End	4136
GI	none	Score	231
Exons	3789..4136, 3842..4093		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.tm	Method	TBLASTX:Maize
Start	4080	End	4415
GI	none	Score	65
Exons	4080..4130, 4146..4277, 4146..4241, 4160..4330, 4340..4414, 4341..4415		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o1.ts	Method	TBLASTX:Soybean
Start	2673	End	3164
GI	none	Score	183
Exons	2673..2831, 2677..2832, 2851..2955, 3012..3164, 3013..3111		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o1.np	Method	AAT/NAP
Start	3761	End	5440
GI	4115357	Score	706
Exons	3761..5161, 5210..5440		
GI Descrip.	(AC005957) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o2.ts	Method	TBLASTX:Soybean
Start	4197	End	5428
GI	none	Score	55
Exons	4197..4241, 4199..4270, 4307..4405, 4475..4537, 4601..4672, 4817..4948, 4825..4944, 5192..5428, 5218..5424		

Seq. No.	5885	Seq. ID	OJ991013_01.0126.C33
Gene No.	12452	Strand	+
Start	70	End	212
Name	OJ991013_01.0126.C33.o1.gs	Method	GENSCAN
Start	70	End	212
GI	none	Score	.93
Exons	70..212		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12453	Strand	+
Start	1	End	5197
Name	OJ991013_01.0126.C37.o1.np	Method	AAT/NAP
Start	1	End	3087

GI 3157949 Score 220
 Exons 1..99, 2792..3087
 GI Descrip. (AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb|Z28697 from *Nicotiana tabacum*. ESTs gb|Z18185 and gb|AA605362 come from this gene. [*Arabidopsis thaliana*]

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12453 Strand +
 Start 1 End 5197
 Name OJ991013_01.0126.C37.o1.gp Method AAT/GAP
 Start 2047 End 2405
 GI uC-osrocyp014f09b1 Score 670
 Exons 2047..2405
 GI Descrip. '3157949 6.0e-12 (AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb_Z28697 from *Nicotiana tabacum*. ESTs gb_Z18185 and gb_AA605362 come from this gene. [*Arabidopsis thaliana*]'

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12453 Strand +
 Start 1 End 5197
 Name OJ991013_01.0126.C37.o1.gs Method GENSCAN
 Start 2069 End 5197
 GI none Score .82
 Exons 2069..3031, 3134..3161, 3524..3870, 4958..5061, 5108..5197

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12454 Strand -
 Start 3667 End 4093
 Name OJ991013_01.0126.C37.o2.gp Method AAT/GAP
 Start 3667 End 4093
 GI uC-osrocyp014c04a1 Score 847
 Exons 3667..4093
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [*Arabidopsis thaliana*]'

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12455 Strand -
 Start 6317 End 6865
 Name OJ991013_01.0126.C37.o1.tw Method TBLASTX:Wheat
 Start 2248 End 2414
 GI none Score 187
 Exons 2248..2388, 2250..2399, 2251..2295, 2313..2414

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12455 Strand -
 Start 6317 End 6865
 Name OJ991013_01.0126.C37.o1.tm Method TBLASTX:Maize
 Start 2856 End 3649
 GI none Score 301
 Exons 2856..3032, 2857..3033, 3546..3608, 3547..3618, 3622..3642, 3623..3649

Seq. No. 5886 Seq. ID OJ991013_01.0126.C37
 Gene No. 12455 Strand -
 Start 6317 End 6865
 Name OJ991013_01.0126.C37.o2.gs Method GENSCAN

Start	6317	End	6865
GI	none	Score	.67
Exons	6317..6415, 6674..6819, 6831..6865		

Seq. No.	5887	Seq. ID	OJ991013_01.0126.C38
Gene No.	12456	Strand	
Start	825	End	1077
Name	OJ991013_01.0126.C38.o1.tm	Method	TBLASTX:Maize
Start	825	End	1077
GI	none	Score	60
Exons	825..1076, 973..1077		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12457	Strand	+
Start	1492	End	2061
Name	OJ991013_01.0126.C39.o2.gs	Method	GENSCAN
Start	1492	End	2061
GI	none	Score	.97
Exons	1492..1791, 1825..2061		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12458	Strand	-
Start	287	End	970
Name	OJ991013_01.0126.C39.o1.gs	Method	GENSCAN
Start	287	End	970
GI	none	Score	.62
Exons	287..492, 587..970		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12459	Strand	-
Start	3610	End	3805
Name	OJ991013_01.0126.C39.o1.ts	Method	TBLASTX:Soybean
Start	1564	End	2053
GI	none	Score	52
Exons	1564..1716, 1568..1666, 1738..1878, 1742..1819, 1906..2052, 1907..2053		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12459	Strand	-
Start	3610	End	3805
Name	OJ991013_01.0126.C39.o3.gs	Method	GENSCAN
Start	3610	End	3805
GI	none	Score	.97
Exons	3610..3722, 3778..3805		

Seq. No.	5889	Seq. ID	OJ991013_01.0126.C40
Gene No.	12460	Strand	+
Start	1	End	151
Name	OJ991013_01.0126.C40.o1.gp	Method	AAT/GAP
Start	1	End	151
GI	8022_1.R1084	Score	225
Exons	1..151		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-

Start	39	End	3171
Name	OJ991013_01.0126.C41.ol.gp	Method	AAT/GAP
Start	39	End	3125
GI	4562_1.R1084	Score	2638
Exons	39..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2529, 2665..2738, 2851..2954, 3051..3125		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.ol.tm	Method	TBLASTX:Maize
Start	262	End	3171
GI	none	Score	144
Exons	262..393, 263..403, 267..389, 456..542, 469..612, 470..589, 653..769, 657..773, 668..784, 670..774, 843..983, 858..977, 871..984, 871..981, 872..985, 1239..1328, 1239..1325, 1395..1604, 1397..1621, 1400..1606, 1667..1759, 1668..1754, 1681..1755, 2358..2528, 2358..2549, 2365..2550, 2665..2739, 2665..2739, 2666..2749, 2667..2765, 2667..2771, 2801..2932, 2849..2950, 2850..2951, 2851..2952, 2851..2955, 2989..3159, 3049..3171, 3050..3169		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.ol.gs	Method	GENSCAN
Start	268	End	3126
GI	none	Score	.79
Exons	268..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2566, 2955..3126		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.ol.ts	Method	TBLASTX:Soybean
Start	268	End	2952
GI	none	Score	110
Exons	268..405, 465..533, 469..612, 470..586, 655..756, 657..761, 668..784, 671..769, 867..977, 868..978, 1239..1325, 1285..1326, 1397..1603, 1398..1604, 1400..1606, 1667..1789, 1691..1789, 2356..2547, 2361..2552, 2667..2771, 2849..2932, 2851..2952		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.ol.tc	Method	TBLASTX:Cress
Start	268	End	2955
GI	none	Score	120
Exons	268..405, 469..612, 470..586, 666..758, 668..790, 671..775, 867..977, 868..978, 869..982, 1239..1325, 1392..1559, 1397..1621, 1398..1604, 1400..1618, 1667..1789, 2356..2532, 2358..2531, 2665..2775, 2667..2771, 2849..2929, 2851..2955		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-

Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.np	Method	AAT/NAP
Start	271	End	3171
GI	2198851	Score	1770
Exons	271..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2529, 2665..2738, 2851..2954, 3051..3171		
GI Descrip.	(AF007785) cystathionine gamma-synthase [Zea mays]		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.tw	Method	TBLASTX:Wheat
Start	1291	End	2738
GI	none	Score	56
Exons	1291..1326, 1293..1325, 1395..1604, 1397..1621, 1400..1606, 1667..1759, 1668..1754, 1693..1755, 2352..2531, 2356..2550, 2358..2549, 2665..2736, 2665..2736, 2667..2738		

Seq. No.	5891	Seq. ID	OJ991013_01.0126.C42
Gene No.	12462	Strand	+
Start	138	End	407
Name	OJ991013_01.0126.C42.o1.gs	Method	GENSCAN
Start	138	End	407
GI	none	Score	.6
Exons	138..242, 294..407		

Seq. No.	5891	Seq. ID	OJ991013_01.0126.C42
Gene No.	12463	Strand	-
Start	3211	End	3569
Name	OJ991013_01.0126.C42.o2.gs	Method	GENSCAN
Start	3211	End	3569
GI	none	Score	.66
Exons	3211..3317, 3461..3569		

Seq. No.	5892	Seq. ID	OJ991013_01.0126.C43
Gene No.	12464	Strand	+
Start	212	End	557
Name	OJ991013_01.0126.C43.o1.gs	Method	GENSCAN
Start	212	End	557
GI	none	Score	.81
Exons	212..273, 500..557		

Seq. No.	5893	Seq. ID	OJ991013_01.0126.C44
Gene No.	12465	Strand	+
Start	622	End	736
Name	OJ991013_01.0126.C44.o1.gs	Method	GENSCAN
Start	622	End	736
GI	none	Score	.81
Exons	622..736		

Seq. No.	5894	Seq. ID	OJ991013_01.0126.C45
Gene No.	12466	Strand	-
Start	233	End	368
Name	OJ991013_01.0126.C45.o1.gs	Method	GENSCAN
Start	233	End	368
GI	none	Score	.64
Exons	233..368		

Seq. No.	5895	Seq. ID	OJ991013_01.0126.C46
Gene No.	12467	Strand	+
Start	463	End	633
Name	OJ991013_01.0126.C46.o1.gs	Method	GENSCAN
Start	463	End	633
GI	none	Score	.9
Exons	463..633		

Seq. No.	5896	Seq. ID	OJ991013_04.0131.C1
Gene No.	12468	Strand	+
Start	769	End	906
Name	OJ991013_04.0131.C1.o1.gs	Method	GENSCAN
Start	769	End	906
GI	none	Score	.4
Exons	769..906		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o2.gs	Method	GENSCAN
Start	6117	End	11546
GI	none	Score	.53
Exons	6117..6126, 6823..7324, 7429..7510, 8996..9078, 9131..9158, 9659..10345, 10543..10801, 11423..11546		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o2.np	Method	AAT/NAP
Start	6813	End	7749
GI	2500353	Score	1079
Exons	6813..7324, 7429..7510, 7687..7749		
GI Descrip.	60S RIBOSOMAL PROTEIN L10-3 (QM/R22) gi 1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o3.gp	Method	AAT/GAP
Start	7043	End	7941
GI	301_1.R1084	Score	1156
Exons	7043..7324, 7429..7510, 7687..7941		
GI Descrip.	'2500353/sp Q40649 R103 ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o3.np	Method	AAT/NAP
Start	9698	End	12549
GI	2623295	Score	993

Exons 9698..10345, 10543..10801, 11423..11546, 12462..12549
GI Descrip. (AC002409) hypothetical protein [Arabidopsis thaliana]

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12470 Strand -
Start 24 End 4497
Name OJ991013_04.0131.C2.o1.gp Method AAT/GAP
Start 24 End 673
GI 20568 1.R1084 Score 848
Exons 24..490, 614..673
GI Descrip. '5732701/gb|AAD49231.1|AF159386_1 3.0e-18 (AF159386)
thioredoxin-like protein [Secale cereale]'

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12470 Strand -
Start 24 End 4497
Name OJ991013_04.0131.C2.o1.gs Method GENSCAN
Start 353 End 4497
GI none Score .72
Exons 353..490, 1093..1215, 2007..2123, 3090..3220, 4434..4497

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12470 Strand -
Start 24 End 4497
Name OJ991013_04.0131.C2.o1.np Method AAT/NAP
Start 356 End 2314
GI 1085952 Score 562
Exons 356..490, 1093..1215, 2007..2120, 2231..2314
GI Descrip. hypothetical protein S1 - Phalaris coerulescens

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12470 Strand -
Start 24 End 4497
Name OJ991013_04.0131.C2.o2.gp Method AAT/GAP
Start 801 End 3166
GI 54795 1.R1084 Score 982
Exons 801..860, 1077..1215, 2006..2123, 2231..2299, 2930..3166
GI Descrip. '1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris
coerulescens'

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12471 Strand -
Start 12495 End 12834
Name OJ991013_04.0131.C2.o3.tm Method TBLASTX:Maize
Start 343 End 2363
GI none Score 112
Exons 343..513, 345..491, 356..517, 357..521, 1091..1216, 1091..1213,
1093..1215, 1984..2109, 2004..2117, 2005..2133, 2223..2363,
2228..2296, 2230..2307

Seq. No. 5897 Seq. ID OJ991013_04.0131.C2
Gene No. 12471 Strand -
Start 12495 End 12834
Name OJ991013_04.0131.C2.o1.tm Method TBLASTX:Maize
Start 6814 End 7745
GI none Score 135
Exons 6814..6978, 6821..7213, 6824..7324, 6825..7325, 7027..7326,

7425..7502, 7427..7510, 7429..7512, 7430..7513, 7686..7745

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.tc	Method	TBLASTX:Cress
Start	6821	End	7510
GI	none	Score	326
Exons	6821..7213, 6824..7324, 6825..7325, 7027..7326, 7429..7509, 7430..7510		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.ts	Method	TBLASTX:Soybean
Start	6821	End	7513
GI	none	Score	289
Exons	6821..7213, 6824..7324, 6825..7325, 6940..7338, 7429..7512, 7430..7513		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.tw	Method	TBLASTX:Wheat
Start	6927	End	7748
GI	none	Score	672
Exons	6927..7325, 6929..7324, 7027..7326, 7425..7502, 7429..7512, 7430..7513, 7684..7731, 7686..7748		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.tc	Method	TBLASTX:Cress
Start	9599	End	10111
GI	none	Score	36
Exons	9599..9622, 9686..9841, 9836..10111, 9856..10035, 10013..10087		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o4.tm	Method	TBLASTX:Maize
Start	9716	End	9947
GI	none	Score	129
Exons	9716..9850, 9737..9850, 9839..9946, 9852..9947		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.ts	Method	TBLASTX:Soybean
Start	9719	End	12552
GI	none	Score	183
Exons	9719..9904, 9733..9918, 9893..10351, 10021..10347, 10542..10646, 10542..10655, 10543..10656, 11416..11532, 11418..11507, 12460..12552		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-

Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.tm	Method	TBLASTX:Maize
Start	10028	End	12555
GI	none	Score	270
Exons	10028..10351, 10144..10350, 10542..10649, 10543..10656, 10547..10669, 11418..11507, 11422..11532, 11425..11526, 12459..12533, 12460..12555		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o4.gp	Method	AAT/GAP
Start	12495	End	12834
GI	uC-osflcyp117e01a1	Score	672
Exons	12495..12834		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o1.np	Method	AAT/NAP
Start	3264	End	8027
GI	6016874	Score	2132
Exons	3264..3342, 3426..3563, 3628..3860, 4251..4410, 4804..4983, 5101..5440, 5918..6085, 6111..6174, 8010..8027		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o2.gs	Method	GENSCAN
Start	3264	End	5444
GI	none	Score	.9
Exons	3264..5444		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o1.gp	Method	AAT/GAP
Start	3953	End	4461
GI	uC-osflcyp110c07b1	Score	962
Exons	3953..4461		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12473	Strand	+
Start	10336	End	13454
Name	OJ991013_04.0131.C3.o4.gs	Method	GENSCAN
Start	10336	End	13454
GI	none	Score	.72
Exons	10336..10399, 11284..11451, 11800..11967, 12054..12306,		

13355..13454

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.tm	Method	TBLASTX:Maize
Start	3612	End	4058
GI	none	Score	69
Exons	3612..3698, 3683..3892, 3684..3932, 3969..4025, 4020..4058		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o5.tm	Method	TBLASTX:Maize
Start	4152	End	4466
GI	none	Score	56
Exons	4152..4226, 4239..4466, 4247..4465		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o6.tm	Method	TBLASTX:Maize
Start	4671	End	5023
GI	none	Score	240
Exons	4671..4952, 4682..5023		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o4.tm	Method	TBLASTX:Maize
Start	5135	End	5378
GI	none	Score	282
Exons	5135..5293, 5145..5378		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o3.gs	Method	GENSCAN
Start	5853	End	9950
GI	none	Score	.85
Exons	5853..6239, 7747..7875, 8249..8398, 8486..8551, 8828..8872, 9726..9806, 9906..9950		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.gp	Method	AAT/GAP
Start	7578	End	8876
GI	LIB3434-047-P1-K1-D9	Score	723
Exons	7578..7610, 7747..7875, 8249..8398, 8486..8551, 8828..8876		
GI Descrip.	'3157941 4.0e-25 (AC002131) Contains similarity to hypothetical protein gb_U95973 from A. thaliana. [Arabidopsis thaliana]'		
Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.np	Method	AAT/NAP

Start 7714 End 13359
 GI 3157941 Score 590
 Exons 7714..7875, 8249..8398, 9684..9806, 9906..9987, 10275..10346, 11177..11277, 11394..11510, 11633..11754, 13202..13359
 GI Descrip. (AC002131) Contains similarity to hypothetical protein gb|U95973 from A. thaliana. [Arabidopsis thaliana]

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359
 Name OJ991013_04.0131.C3.o1.tm Method TBLASTX:Maize
 Start 7747 End 8866
 GI none Score 114
 Exons 7747..7833, 7748..7876, 7750..7875, 7757..7882, 8247..8399, 8247..8393, 8249..8404, 8480..8551, 8480..8551, 8481..8552, 8481..8552, 8828..8866, 8828..8866

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359
 Name OJ991013_04.0131.C3.o2.ts Method TBLASTX:Soybean
 Start 8270 End 10361
 GI none Score 105
 Exons 8270..8404, 8271..8393, 8486..8551, 8487..8552, 9726..9809, 9727..9807, 9906..9992, 9910..9993, 10271..10345, 10275..10361

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359
 Name OJ991013_04.0131.C3.o1.tc Method TBLASTX:Cress
 Start 9907 End 11701
 GI none Score 95
 Exons 9907..9993, 9909..9992, 10274..10345, 10275..10361, 10279..10362, 11177..11278, 11179..11283, 11391..11504, 11434..11502, 11633..11701, 11636..11695, 11637..11696

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359
 Name OJ991013_04.0131.C3.o1.ts Method TBLASTX:Soybean
 Start 11179 End 11710
 GI none Score 66
 Exons 11179..11283, 11391..11495, 11633..11710, 11636..11698

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359
 Name OJ991013_04.0131.C3.o3.tm Method TBLASTX:Maize
 Start 11186 End 11722
 GI none Score 109
 Exons 11186..11278, 11188..11280, 11188..11283, 11235..11288, 11391..11510, 11420..11509, 11425..11553, 11465..11515, 11633..11698, 11633..11722, 11634..11708

Seq. No. 5898 Seq. ID OJ991013_04.0131.C3
 Gene No. 12474 Strand -
 Start 5853 End 13359

Name OJ991013_04.0131.C3.o3.gp
 Start 11776
 GI none
 Exons 11776..12104

Method AAT/GAP
 End 12104
 Score 646

Seq. No. 5899
 Gene No. 12475
 Start 1654
 Name OJ991013_04.0131.C4.o1.np
 Start 1654
 GI 6714413
 Exons 1654..1831, 2380..2489, 2611..2729, 3372..3444
 GI Descrip. (AC012328) unknown protein [Arabidopsis thaliana]

Seq. ID OJ991013_04.0131.C4
 Strand +
 End 4116
 Method AAT/NAP
 End 3444
 Score 289

Seq. No. 5899
 Gene No. 12475
 Start 1654
 Name OJ991013_04.0131.C4.o1.gs
 Start 1684
 GI none
 Exons 1684..1831, 1934..1941

Seq. ID OJ991013_04.0131.C4
 Strand +
 End 4116
 Method GENSCAN
 End 1941
 Score .77

Seq. No. 5899
 Gene No. 12475
 Start 1654
 Name OJ991013_04.0131.C4.o2.gs
 Start 2382
 GI none
 Exons 2382..2489, 3372..3395, 3438..3546, 3980..4116

Seq. ID OJ991013_04.0131.C4
 Strand +
 End 4116
 Method GENSCAN
 End 4116
 Score .46

Seq. No. 5900
 Gene No. 12476
 Start 81
 Name OJ991013_04.0131.C5.o1.gs
 Start 81
 GI none
 Exons 81..101, 556..701, 3209..3318, 3733..3770, 4228..4326, 4354..7368

Seq. ID OJ991013_04.0131.C5
 Strand +
 End 9130
 Method GENSCAN
 End 7368
 Score .75

Seq. No. 5900
 Gene No. 12476
 Start 81
 Name OJ991013_04.0131.C5.o2.tm
 Start 4395
 GI none
 Exons 4395..4451, 4395..4619, 4429..4620, 4484..4621, 4485..4622

Seq. ID OJ991013_04.0131.C5
 Strand +
 End 9130
 Method TBLASTX:Maize
 End 4622
 Score 51

Seq. No. 5900
 Gene No. 12476
 Start 81
 Name OJ991013_04.0131.C5.o1.np
 Start 4417
 GI 2982431
 Exons 4417..7062, 9100..9130
 GI Descrip. (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]

Seq. ID OJ991013_04.0131.C5
 Strand +
 End 9130
 Method AAT/NAP
 End 9130
 Score 1896

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.ol.tw	Method	TBLASTX:Wheat
Start	4513	End	6855
GI	none	Score	54
Exons	4513..4572, 4560..4667, 4585..4629, 4636..4875, 4689..4910, 4699..5019, 4801..4917, 4807..5091, 4852..5106, 5167..5319, 5167..5319, 5197..5319, 5339..5395, 5509..5688, 5569..5904, 5665..5976, 5725..6048, 5761..6042, 5953..6186, 6148..6477, 6229..6498, 6598..6735, 6739..6855, 6739..6855, 6745..6840		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.ol.tc	Method	TBLASTX:Cress
Start	4567	End	6936
GI	none	Score	268
Exons	4567..5106, 4627..5106, 4627..5031, 4636..5106, 4636..4866, 4636..5106, 4636..5097, 4636..5106, 4636..4902, 4675..5319, 4731..4829, 4741..4947, 4807..4983, 4944..5105, 4944..5312, 5058..5318, 5082..5252, 5139..5318, 5166..5318, 5167..5319, 5167..5319, 5167..5268, 5167..5319, 5167..5331, 5212..5328, 5458..6132, 5467..5649, 5473..5775, 5488..5931, 5488..5916, 5506..6204, 5509..6009, 5509..6276, 5512..5868, 5518..6063, 5538..5741, 5547..5918, 5584..6492, 5584..6147, 5586..5918, 5653..6150, 5751..5909, 5820..5930, 5956..5997, 6037..6114, 6051..6422, 6133..6417, 6139..6498, 6151..6492, 6154..6492, 6154..6492, 6157..6498, 6166..6498, 6166..6492, 6238..6498, 6298..6498, 6559..6744, 6559..6735, 6559..6744, 6559..6735, 6559..6762, 6559..6735, 6559..6744, 6589..6744, 6598..6738, 6724..6858, 6739..6855, 6742..6858, 6745..6855, 6745..6858, 6745..6936, 6745..6855, 6745..6855, 6745..6855, 6748..6855		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.ol.ts	Method	TBLASTX:Soybean
Start	4624	End	6942
GI	none	Score	172
Exons	4624..5037, 4627..5061, 4636..5106, 4657..5106, 4663..5106, 4708..5106, 4722..4829, 4723..5106, 4734..4835, 4807..5178, 4813..4938, 4885..5004, 4944..5033, 5022..5318, 5032..5178, 5167..5319, 5167..5397, 5167..5319, 5167..5319, 5167..5310, 5167..5319, 5167..5319, 5167..5319, 5167..5319, 5203..5319, 5458..5499, 5466..5780, 5506..6126, 5506..5997, 5509..5847, 5509..5778, 5512..5919, 5536..6126, 5536..5952, 5538..5702, 5547..5774, 5554..5673, 5584..5994, 5608..6147, 5626..5745, 5650..6066, 5674..6132, 5728..6132, 5746..6153, 5764..6114, 5986..6093, 6148..6498, 6151..6492, 6157..6492, 6157..6492, 6157..6492, 6181..6492, 6199..6330, 6253..6498, 6315..6422, 6559..6747, 6559..6726, 6559..6744, 6559..6744, 6559..6927, 6559..6720, 6559..6723, 6559..6678, 6589..6744, 6613..6744, 6631..6855, 6733..6927, 6739..6942, 6742..6855, 6742..6858, 6745..6855, 6745..6855		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
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Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.tm	Method	TBLASTX:Maize
Start	4636	End	6858
GI	none	Score	66
Exons	4636..4746, 4657..4902, 4681..4869, 4807..4935, 4825..5097, 4897..5106, 5097..5252, 5167..5319, 5167..5319, 5458..5682, 5503..5730, 5513..5680, 5521..5703, 5547..5699, 5575..5877, 5584..5754, 5623..5946, 5638..5946, 5710..5988, 5752..5898, 5782..6060, 5812..5970, 5842..6117, 5854..6327, 5896..6045, 6196..6489, 6229..6402, 6283..6492, 6310..6474, 6313..6474, 6454..6636, 6571..6738, 6748..6858, 6751..6834, 6765..6839		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o2.np	Method	AAT/NAP
Start	6	End	2379
GI	6566263	Score	115
Exons	6..27, 2079..2379		
GI Descrip.	(AB008015) similar to xylan endohydrolase [Arabidopsis thaliana]		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.gs	Method	GENSCAN
Start	368	End	3986
GI	none	Score	.66
Exons	368..415, 692..887, 1083..1197, 1608..2016, 2183..2321, 2513..2659, 3944..3986		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.np	Method	AAT/NAP
Start	1664	End	2025
GI	2370560	Score	129
Exons	1664..2025		
GI Descrip.	(Z98763) putative translational repressor [Schizosaccharomyces pombe]		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.tm	Method	TBLASTX:Maize
Start	1866	End	2019
GI	none	Score	115
Exons	1866..1934, 1867..1932, 1930..2019, 1943..2017, 1948..2019		

Seq. No.	5902	Seq. ID	OJ991013_04.0131.C7
Gene No.	12478	Strand	+
Start	1443	End	1842
Name	OJ991013_04.0131.C7.o1.gs	Method	GENSCAN
Start	1443	End	1842
GI	none	Score	.74
Exons	1443..1842		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12479	Strand	+
Start	530	End	1779
Name	OJ991013_04.0131.C9.o1.gs	Method	GENSCAN
Start	530	End	1779
GI	none	Score	.49
Exons	530..590, 907..1124, 1395..1520, 1687..1779		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12480	Strand	+
Start	1687	End	5552
Name	OJ991013_04.0131.C9.o1.np	Method	AAT/NAP
Start	1687	End	5552
GI	6635236	Score	80
Exons	1687..1758, 2997..3222, 3634..3696, 3789..3843, 5528..5552		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12481	Strand	-
Start	3962	End	5287
Name	OJ991013_04.0131.C9.o2.gs	Method	GENSCAN
Start	3962	End	5287
GI	none	Score	.53
Exons	3962..4086, 5233..5287		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.gs	Method	GENSCAN
Start	233	End	1285
GI	none	Score	.65
Exons	233..283, 953..1285		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.np	Method	AAT/NAP
Start	953	End	1285
GI	2462749	Score	318
Exons	953..1285		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.tm	Method	TBLASTX:Maize
Start	955	End	1284
GI	none	Score	405
Exons	955..1284, 955..1275, 966..1280		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.ts	Method	TBLASTX:Soybean
Start	957	End	1287

GI	none	Score	71
Exons	957..1103, 958..1287, 966..1286		
Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.ol.tc	Method	TBLASTX:Cress
Start	958	End	1284
GI	none	Score	349
Exons	958..1284, 969..1274		

Seq. No.	5905	Seq. ID	OJ991013_04.0131.C12
Gene No.	12483	Strand	+
Start	409	End	604
Name	OJ991013_04.0131.C12.ol.gs	Method	GENSCAN
Start	409	End	604
GI	none	Score	.53
Exons	409..604		

Seq. No.	5906	Seq. ID	OJ991013_04.0131.C13
Gene No.	12484	Strand	+
Start	587	End	1563
Name	OJ991013_04.0131.C13.ol.gs	Method	GENSCAN
Start	587	End	1563
GI	none	Score	.5
Exons	587..716, 1546..1563		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.ol.gs	Method	GENSCAN
Start	474	End	6416
GI	none	Score	.48
Exons	474..684, 904..1328, 2340..2618, 3229..3346, 3749..4293, 4364..4474, 4986..5462, 5615..5797, 6056..6416		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.ol.np	Method	AAT/NAP
Start	999	End	4341
GI	6016715	Score	578
Exons	999..1056, 1111..1306, 2342..2618, 3229..3500, 3567..3771, 3811..3949, 3983..4341		

GI Descrip. (AC009325) unknown protein [Arabidopsis thaliana]

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.ol.tc	Method	TBLASTX:Cress
Start	1206	End	3312
GI	none	Score	61
Exons	1206..1313, 2334..2621, 2418..2606, 2428..2607, 3229..3282, 3237..3281, 3282..3311, 3283..3312		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+

Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.ts	Method	TBLASTX:Soybean
Start	2391	End	3318
GI	none	Score	263
Exons	2391..2621, 2424..2621, 3229..3318, 3237..3317		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o2.tm	Method	TBLASTX:Maize
Start	2431	End	3462
GI	none	Score	92
Exons	2431..2493, 2432..2509, 2433..2498, 2482..2607, 2488..2607, 2493..2621, 2505..2618, 3227..3334, 3228..3359, 3229..3363, 3416..3454, 3421..3462		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.tm	Method	TBLASTX:Maize
Start	3711	End	4248
GI	none	Score	43
Exons	3711..3743, 3806..3955, 3821..3886, 3885..3956, 3889..3948, 3897..3980, 3898..3981, 3935..4042, 3951..4061, 3954..4052, 3955..4083, 3965..4090, 4063..4122, 4082..4246, 4137..4247, 4159..4248, 4162..4248		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o2.tc	Method	TBLASTX:Cress
Start	3898	End	4307
GI	none	Score	49
Exons	3898..3975, 3937..4014, 4072..4122, 4096..4305, 4155..4307		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12486	Strand	+
Start	2508	End	3099
Name	OJ991013_04.0131.C15.o3.gp	Method	AAT/GAP
Start	2508	End	3099
GI	2799106	Score	715
Exons	2508..2579, 2615..3099		
GI Descrip.	3402815/emb AJ007829 CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12487	Strand	-
Start	1324	End	1484
Name	OJ991013_04.0131.C15.o1.gp	Method	AAT/GAP
Start	1324	End	1484
GI	286806	Score	253
Exons	1324..1484		
GI Descrip.	5441872/dbj AP000366.1 AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701

Name	OJ991013_04.0131.C15.o2.gp	Method	AAT/GAP
Start	2610	End	3099
GI	2799106	Score	716
Exons	2610..3099		
GI Descrip.	3402815/emb AJ007829 CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.np	Method	AAT/NAP
Start	2924	End	6701
GI	4220523	Score	850
Exons	2924..3117, 3214..3530, 3616..3893, 4797..5107, 6660..6701		
GI Descrip.	(AL035356) putative alliin lyase [Arabidopsis thaliana]		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.tm	Method	TBLASTX:Maize
Start	2930	End	4988
GI	none	Score	106
Exons	2930..3115, 2937..3116, 3215..3364, 3216..3362, 3413..3529, 3426..3530, 3446..3538, 3595..3888, 3612..3887, 4848..4988, 4864..4935		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.gs	Method	GENSCAN
Start	2933	End	5805
GI	none	Score	.43
Exons	2933..3117, 3214..3530, 3616..3849, 4116..4197, 4959..5149, 5294..5564, 5667..5805		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o2.tc	Method	TBLASTX:Cress
Start	2939	End	3509
GI	none	Score	67
Exons	2939..3097, 3215..3364, 3413..3505, 3420..3509		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.tc	Method	TBLASTX:Cress
Start	3666	End	5102
GI	none	Score	111
Exons	3666..3812, 3676..3807, 3816..3893, 3829..3891, 4797..5060, 4807..5061, 5070..5102		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.ts	Method	TBLASTX:Soybean
Start	3672	End	3896
GI	none	Score	89

Exons 3672..3812, 3691..3807, 3817..3894, 3822..3896

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o2.gs	Method	GENSCAN
Start	2819	End	6320
GI	none	Score	.96
Exons	2819..5678, 5809..6320		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o1.np	Method	AAT/NAP
Start	2831	End	6274
GI	2982452	Score	2237
Exons	2831..4120, 4346..5714, 5779..6274		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o1.gp	Method	AAT/GAP
Start	5926	End	6356
GI	LIB3433-035-P1-K1-A1	Score	769
Exons	5926..6356		
GI Descrip.	'3402815/emb AJ007829 CVE7829 1.0e-20 Cloning Vector pGreen'		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12490	Strand	+
Start	6373	End	6718
Name	OJ991013_04.0131.C16.o2.gp	Method	AAT/GAP
Start	6373	End	6718
GI	3760479	Score	628
Exons	6373..6718		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12491	Strand	+
Start	6690	End	7998
Name	OJ991013_04.0131.C16.o2.np	Method	AAT/NAP
Start	6690	End	7998
GI	5777617	Score	69
Exons	6690..6722, 7894..7998		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12492	Strand	-
Start	7931	End	9160
Name	OJ991013_04.0131.C16.o3.gs	Method	GENSCAN
Start	7931	End	9160
GI	none	Score	.59
Exons	7931..8471, 8702..8738, 8743..9160		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910

Name	OJ991013_04.0131.C16.o4.tw	Method	TBLASTX:Wheat
Start	2909	End	4648
GI	none	Score	90
Exons	2909..3148, 3113..3253, 3119..3262, 3266..3421, 3431..3682, 3440..3661, 3587..3877, 3659..3949, 3737..4021, 3782..4093, 3839..4105, 4166..4405, 4166..4375, 4286..4405, 4418..4648, 4433..4642, 4496..4642		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tc	Method	TBLASTX:Cress
Start	3002	End	6113
GI	none	Score	64
Exons	3002..3085, 3110..3247, 3113..3238, 3119..3271, 3119..3247, 3146..3262, 3146..3253, 3257..3436, 3257..3421, 3260..3421, 3263..4105, 3266..3385, 3433..3603, 3440..3676, 3440..3973, 3443..4036, 3454..3621, 3485..3892, 3719..3928, 3725..4105, 3788..4180, 3845..4105, 4166..4396, 4166..4414, 4166..4324, 4166..4396, 4166..4396, 4172..4408, 4199..4375, 4240..4332, 4274..4396, 4364..4405, 4379..4642, 4397..4543, 4397..4642, 4424..4615, 4429..4563, 4433..4636, 4433..4594, 4433..4615, 4520..4645, 4592..4666, 4652..4759, 4660..4716, 5060..5209, 5255..5380, 5447..5611, 5450..5566, 5799..5900, 5807..5899, 5910..5948, 6027..6113		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tm	Method	TBLASTX:Maize
Start	3110	End	4837
GI	none	Score	86
Exons	3110..3247, 3113..3238, 3113..3238, 3119..3247, 3119..3247, 3146..3250, 3257..3436, 3257..3421, 3266..3388, 3272..3424, 3275..3385, 3301..3465, 3430..3678, 3431..3676, 3434..3679, 3434..3676, 3439..3609, 3440..3904, 3443..3550, 3448..3534, 3491..3763, 3494..3964, 3583..3891, 3587..3838, 3587..3676, 3638..3892, 3653..4105, 3664..3894, 3719..4036, 3727..3831, 3749..4036, 3781..4041, 3782..4105, 3808..3972, 3848..4105, 3854..4105, 3893..4105, 3952..4107, 4001..4165, 4001..4324, 4001..4168, 4013..4168, 4067..4165, 4165..4323, 4166..4405, 4166..4408, 4166..4324, 4168..4404, 4168..4395, 4168..4404, 4169..4396, 4169..4405, 4174..4395, 4229..4405, 4253..4411, 4286..4396, 4384..4542, 4397..4627, 4397..4615, 4421..4624, 4424..4636, 4433..4615, 4444..4626, 4447..4614, 4615..4707, 4651..4755, 4652..4765, 4655..4681, 4766..4837		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.ts	Method	TBLASTX:Soybean
Start	3113	End	4759
GI	none	Score	84
Exons	3113..3247, 3146..3247, 3191..3250, 3263..3682, 3266..3409, 3301..3675, 3443..3556, 3512..3763, 3587..3784, 3587..3844, 3725..3874, 3730..3837, 3731..3982, 3803..4048, 3875..4105, 3926..4105, 3938..4105, 4019..4276, 4166..4633, 4166..4348,		

4168..4329, 4424..4759, 4454..4645, 4514..4645

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tw	Method	TBLASTX:Wheat
Start	5252	End	5587
GI	none	Score	95
Exons	5252..5380, 5444..5587, 5446..5535, 5486..5566		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tm	Method	TBLASTX:Maize
Start	5266	End	5908
GI	none	Score	134
Exons	5266..5379, 5267..5380, 5447..5611, 5450..5614, 5623..5676, 5650..5679, 5799..5897, 5807..5908		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.ts	Method	TBLASTX:Soybean
Start	5279	End	5611
GI	none	Score	155
Exons	5279..5380, 5287..5337, 5444..5611, 5449..5529		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.ts	Method	TBLASTX:Soybean
Start	5799	End	6146
GI	none	Score	120
Exons	5799..5891, 5807..5920, 5807..5887, 5886..5933, 5921..6124, 5922..6146		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o5.ts	Method	TBLASTX:Soybean
Start	8417	End	9121
GI	none	Score	61
Exons	8417..8443, 8466..8594, 8488..8589, 8702..8857, 8887..8946, 8989..9120, 8990..9121		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tc	Method	TBLASTX:Cress
Start	8481	End	9105
GI	none	Score	97
Exons	8481..8594, 8702..8857, 8887..8946, 8989..9105		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.gs	Method	GENSCAN

Start	9466	End	12302
GI	none	Score	.74
Exons	9466..9523, 10102..10433, 11510..11656, 11768..11821, 11989..12048, 12153..12302		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tw	Method	TBLASTX:Wheat
Start	10048	End	10320
GI	none	Score	184
Exons	10048..10320, 10068..10319		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tm	Method	TBLASTX:Maize
Start	10048	End	15034
GI	none	Score	240
Exons	10048..10434, 10059..10436, 11508..11690, 11510..11656, 11768..11827, 12150..12320, 12151..12318, 14580..14642, 14957..15034		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tc	Method	TBLASTX:Cress
Start	10054	End	10428
GI	none	Score	224
Exons	10054..10428, 10056..10421		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.ts	Method	TBLASTX:Soybean
Start	10054	End	12320
GI	none	Score	237
Exons	10054..10434, 10062..10436, 10326..10436, 11508..11690, 11510..11656, 11768..11827, 12150..12320, 12151..12318		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.np	Method	AAT/NAP
Start	10059	End	15304
GI	6175145	Score	1193
Exons	10059..10433, 11510..11656, 11768..11821, 12153..12317, 14466..14528, 14561..14678, 14912..15028, 15122..15304		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana] gi 6453902 gb AAF09085.1 AC011663_21 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tw	Method	TBLASTX:Wheat
Start	11508	End	12257

GI	none	Score	94
Exons	11508..11654, 11510..11653, 11768..11833, 12150..12188, 12151..12189, 12180..12257		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.tc	Method	TBLASTX:Cress
Start	11508	End	12227
GI	none	Score	34
Exons	11508..11534, 11513..11656, 11556..11654, 11768..11827, 11769..11822, 12150..12227		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o5.gs	Method	GENSCAN
Start	14166	End	15910
GI	none	Score	.54
Exons	14166..14777, 14942..15028, 15152..15365, 15788..15910		
Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12494	Strand	+
Start	6230	End	8717
Name	OJ991013_04.0131.C18.o2.np	Method	AAT/NAP
Start	6230	End	8717
GI	6016714	Score	140
Exons	6230..6374, 6752..6927, 7042..7174, 8684..8717		
GI Descrip.	(AC009325) putative phosphate/phosphoenolpyruvate translocator [Arabidopsis thaliana]		
Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12495	Strand	-
Start	1	End	315
Name	OJ991013_04.0131.C18.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	2115_1.R1084	Score	606
Exons	1..315		
GI Descrip.	'4138581/emb CAA67107 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]'		
Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o1.np	Method	AAT/NAP
Start	221	End	993
GI	114009	Score	149
Exons	221..319, 631..727, 808..993		
GI Descrip.	APAG PROTEIN gi 72927 pir BVECAG apaG protein - Escherichia coli gi 40918 emb CAA28418 (X04711) URF (apaG) (AA 1-375) [Escherichia coli] gi 216475 dbj BAA01326 (D10483) apaG protein [Escherichia coli] gi 1786235 (AE000115) orf, hypothetical protein [Escherichia coli]		
Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920

Name	OJ991013_04.0131.C18.o1.tm	Method	TBLASTX:Maize
Start	644	End	2512
GI	none	Score	145
Exons	644..727, 644..712, 646..726, 655..765, 792..980, 793..951, 800..985, 802..981, 807..995, 1494..1577, 1496..1582, 1497..1577, 2214..2258, 2231..2347, 2270..2350, 2432..2512, 2447..2494, 2449..2511		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o2.gp	Method	AAT/GAP
Start	706	End	2920
GI	8799_1.R1084	Score	1624
Exons	706..727, 808..980, 1496..1576, 2231..2344, 2449..2920		
GI Descrip.	'114009/sp P05636 APAG_ECOLI 5.0e-10 APAG PROTEIN >gi_72927_pir_BVECAG apaG protein - Escherichia coli >gi_40918_emb_CAA28418_(X04711) URF (apaG) (AA 1-375) [Escherichia coli] >gi_216475_dbj_BAA01326_(D10483) apaG protein [Escherichia coli] >gi_1786235_(AE000115) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o1.ts	Method	TBLASTX:Soybean
Start	810	End	2514
GI	none	Score	98
Exons	810..971, 810..980, 814..981, 814..987, 1496..1582, 1500..1577, 2231..2347, 2449..2514		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.np	Method	AAT/NAP
Start	594	End	2078
GI	1706110	Score	692
Exons	594..751, 858..943, 1086..1170, 1309..1428, 1504..1572, 1789..1918, 2005..2078		
GI Descrip.	TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECURSOR (CTPT) gi 1143713 (U13632) non-green plastid phosphate/triose-phosphate translocator precursor [Brassica oleracea]		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.gs	Method	GENSCAN
Start	635	End	1944
GI	none	Score	.64
Exons	635..751, 1309..1428, 1789..1944		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.gp	Method	AAT/GAP
Start	1112	End	2318

GI 11092_1.R1084 Score 1245
 Exons 1112..1170, 1309..1428, 1504..1572, 1789..1918, 2005..2318
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450
 [Arabidopsis thaliana]'

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19
 Gene No. 12498 Strand -
 Start 3427 End 6780
 Name OJ991013_04.0131.C19.o2.tm Method TBLASTX:Maize
 Start 580 End 2077
 GI none Score 183
 Exons 580..753, 596..772, 617..781, 855..947, 860..943, 891..944,
 1081..1170, 1089..1184, 1092..1223, 1094..1186, 1306..1425,
 1329..1421, 1489..1575, 1783..1920, 1785..1919, 1786..1920,
 2003..2077, 2004..2045

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19
 Gene No. 12498 Strand -
 Start 3427 End 6780
 Name OJ991013_04.0131.C19.o4.ts Method TBLASTX:Soybean
 Start 595 End 1184
 GI none Score 174
 Exons 595..762, 596..772, 596..781, 842..943, 855..974, 882..944,
 1081..1170, 1081..1170, 1086..1184

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19
 Gene No. 12498 Strand -
 Start 3427 End 6780
 Name OJ991013_04.0131.C19.o2.tc Method TBLASTX:Cress
 Start 596 End 2077
 GI none Score 172
 Exons 596..751, 601..750, 608..760, 855..974, 860..958, 1081..1170,
 1089..1172, 1252..1425, 1308..1415, 1504..1575, 1783..1920,
 1785..1919, 2000..2077, 2004..2045

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19
 Gene No. 12498 Strand -
 Start 3427 End 6780
 Name OJ991013_04.0131.C19.o1.ts Method TBLASTX:Soybean
 Start 3415 End 4661
 GI none Score 57
 Exons 3415..3516, 3427..3753, 3428..3544, 3571..3705, 3608..3742,
 3754..3864, 3776..3865, 3945..4343, 3946..4344, 4341..4661,
 4342..4386, 4456..4656

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19
 Gene No. 12498 Strand -
 Start 3427 End 6780
 Name OJ991013_04.0131.C19.o1.tm Method TBLASTX:Maize
 Start 3424 End 5882
 GI none Score 134
 Exons 3424..3705, 3427..3753, 3608..3742, 3754..3864, 3755..3865,
 3945..4343, 3946..4344, 4347..4415, 4347..4868, 4462..4866,
 4932..5549, 4933..5154, 5211..5444, 5218..5550, 5577..5882,
 5668..5829, 5796..5876

Seq. No. 5911 Seq. ID OJ991013_04.0131.C19

Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.tc	Method	TBLASTX:Cress
Start	3427	End	5876
GI	none	Score	149
Exons	3427..3762, 3428..3544, 3608..3742, 3754..3864, 3764..3865, 3933..3995, 3943..3993, 3945..4343, 3946..4344, 4344..4400, 4353..4841, 4462..4842, 4843..4866, 4932..5549, 4933..5151, 5205..5444, 5218..5550, 5577..5876, 5668..5820		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.gs	Method	GENSCAN
Start	3427	End	5873
GI	none	Score	1
Exons	3427..3863, 3944..5873		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	4029
GI	none	Score	95
Exons	3430..3864, 3431..3547, 3571..3705, 3608..3865, 3945..4016, 3946..4029		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.np	Method	AAT/NAP
Start	3430	End	6780
GI	2499709	Score	3329
Exons	3430..3863, 3944..5915, 6707..6780		
GI Descrip.	PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) gi 1020415 dbj BAA11136 (D73411) phospholipase D [Oryza sativa] gi 1902903 dbj BAA19467 (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o4.tw	Method	TBLASTX:Wheat
Start	4032	End	4206
GI	none	Score	164
Exons	4032..4205, 4033..4206		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.gp	Method	AAT/GAP
Start	4090	End	4548
GI	43947_1.R1084	Score	879
Exons	4090..4548		
GI Descrip.	'2499709/sp Q43007 PLD1_ORYSA 6.0e-65 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1)		

(PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1)
>gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza
sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D
[Oryza sativa]'

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.tw	Method	TBLASTX:Wheat
Start	4207	End	4442
GI	none	Score	167
Exons	4207..4344, 4209..4343, 4347..4418, 4347..4442		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.ts	Method	TBLASTX:Soybean
Start	4662	End	4868
GI	none	Score	202
Exons	4662..4868, 4663..4866		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.ts	Method	TBLASTX:Soybean
Start	4932	End	5879
GI	none	Score	236
Exons	4932..5546, 4933..5154, 5218..5547, 5577..5879, 5668..5829		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.tw	Method	TBLASTX:Wheat
Start	5136	End	5505
GI	none	Score	142
Exons	5136..5498, 5211..5444, 5218..5505		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.gp	Method	AAT/GAP
Start	5175	End	5515
GI	3090597	Score	564
Exons	5175..5515		

GI Descrip. 2499709/sp|Q43007|PLD1_ORYSA 1.0e-30 PHOSPHOLIPASE D 1 PRECURSOR
(PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING
PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411)
phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_
(AB001920) phospholipase D [Oryza sativa]

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o4.gp	Method	AAT/GAP
Start	5558	End	5878
GI	uC-osflM202062d10b1	Score	605
Exons	5558..5878		

GI Descrip. '2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1
 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1)
 (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1)
 >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza
 sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D
 [Oryza sativa]'

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12499	Strand	+
Start	2791	End	4997
Name	OJ991013_04.0131.C20.o2.gs	Method	GENSCAN
Start	2791	End	3417
GI	none	Score	.96
Exons	2791..2886, 2980..3417		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12499	Strand	+
Start	2791	End	4997
Name	OJ991013_04.0131.C20.o4.np	Method	AAT/NAP
Start	2851	End	4997
GI	3241945	Score	203
Exons	2851..3414, 4950..4997		
GI Descrip.	(AC004625) unknown protein [Arabidopsis thaliana]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12500	Strand	+
Start	7091	End	7618
Name	OJ991013_04.0131.C20.o5.np	Method	AAT/NAP
Start	7091	End	7618
GI	4049342	Score	328
Exons	7091..7618		
GI Descrip.	(AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12501	Strand	-
Start	1	End	230
Name	OJ991013_04.0131.C20.o1.np	Method	AAT/NAP
Start	1	End	179
GI	2499708	Score	103
Exons	1..179		
GI Descrip.	PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) gi 1020409 dbj BAA11135 (D73410) phospholipase D [Zea mays]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12501	Strand	-
Start	1	End	230
Name	OJ991013_04.0131.C20.o1.gp	Method	AAT/GAP
Start	72	End	230
GI	uC-osf1M202062d10b1	Score	270
Exons	72..230		
GI Descrip.	'2499709/sp Q43007 PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D		

[Oryza sativa]'

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.np	Method	AAT/NAP
Start	1092	End	7742
GI	5852172	Score	55
Exons	1092..1121, 1324..1433, 7558..7742		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o3.np	Method	AAT/NAP
Start	2420	End	3826
GI	6691203	Score	66
Exons	2420..2500, 3758..3826		
GI Descrip.	(AC007508) FlK23.7 [Arabidopsis thaliana]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.tm	Method	TBLASTX:Maize
Start	2979	End	3282
GI	none	Score	157
Exons	2979..3113, 2980..3114, 3144..3203, 3148..3231, 3231..3269, 3235..3282		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.tc	Method	TBLASTX:Cress
Start	3007	End	3264
GI	none	Score	115
Exons	3007..3120, 3133..3264		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.ts	Method	TBLASTX:Soybean
Start	3007	End	3381
GI	none	Score	120
Exons	3007..3135, 3015..3089, 3135..3260, 3136..3264, 3289..3381		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o3.gs	Method	GENSCAN
Start	7112	End	7642
GI	none	Score	.96
Exons	7112..7327, 7406..7642		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.tm	Method	TBLASTX:Maize

Start	7240	End	7638
GI	none	Score	44
Exons	7240..7284, 7262..7318, 7364..7618, 7384..7638, 7391..7621		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.tc	Method	TBLASTX:Cress
Start	7373	End	7557
GI	none	Score	227
Exons	7373..7555, 7384..7557, 7391..7555, 7462..7557		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.ts	Method	TBLASTX:Soybean
Start	7384	End	7635
GI	none	Score	309
Exons	7384..7620, 7391..7621, 7462..7635, 7500..7625		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.gp	Method	AAT/GAP
Start	1	End	463
GI	3764119	Score	870
Exons	1..463		
GI Descrip.	4138581/emb CAA67107 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	216
GI	none	Score	69
Exons	1..117, 2..85, 2..118, 3..128, 14..130, 169..216		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.np	Method	AAT/NAP
Start	1	End	150
GI	231654	Score	118
Exons	1..150		
GI Descrip.	BRITTLE-1 PROTEIN PRECURSOR gi 82676 pir JQ1459 Bt1 protein precursor - maize gi 168426 (M79333) brittle-1 protein [Zea mays]		

Seq. No.	5914	Seq. ID	OJ991013_04.0131.C22
Gene No.	12504	Strand	-
Start	908	End	1182
Name	OJ991013_04.0131.C22.o1.gs	Method	GENSCAN
Start	908	End	1182
GI	none	Score	.76
Exons	908..1182		

Seq. No.	5915	Seq. ID	OJ991013_04.0131.C23
Gene No.	12505	Strand	+
Start	1403	End	2174
Name	OJ991013_04.0131.C23.o1.np	Method	AAT/NAP
Start	1403	End	2174
GI	4680183	Score	179
Exons	1403..1480, 2085..2174		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5916	Seq. ID	OJ991013_04.0131.C24
Gene No.	12506	Strand	-
Start	221	End	1256
Name	OJ991013_04.0131.C24.o1.gs	Method	GENSCAN
Start	221	End	1256
GI	none	Score	.5
Exons	221..508, 604..673, 717..808, 936..1256		

Seq. No.	5917	Seq. ID	OJ991013_04.0131.C26
Gene No.	12507	Strand	+
Start	110	End	294
Name	OJ991013_04.0131.C26.o1.gs	Method	GENSCAN
Start	110	End	294
GI	none	Score	.48
Exons	110..294		

Seq. No.	5918	Seq. ID	OJ991203_01.0128.C1
Gene No.	12508	Strand	+
Start	570	End	1137
Name	OJ991203_01.0128.C1.o1.np	Method	AAT/NAP
Start	570	End	1137
GI	5441880	Score	762
Exons	570..720, 826..1137		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5918	Seq. ID	OJ991203_01.0128.C1
Gene No.	12508	Strand	+
Start	570	End	1137
Name	OJ991203_01.0128.C1.o1.gs	Method	GENSCAN
Start	572	End	1072
GI	none	Score	.75
Exons	572..720, 826..1072		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+
Start	1	End	2499
Name	OJ991203_01.0128.C2.o2.np	Method	AAT/NAP
Start	1	End	2220
GI	5441880	Score	1622
Exons	1..28, 517..815, 892..1150, 1395..1492, 1739..1870, 1986..2220		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+

Start	1	End	2499
Name	OJ991203_01.0128.C2.o1.gs	Method	GENSCAN
Start	99	End	2499
GI	none	Score	.64
Exons	99..237, 310..425, 517..768, 944..1150, 1243..1363, 1395..1492, 1583..1638, 1739..1870, 1934..1981, 1986..2188, 2339..2499		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+
Start	1	End	2499
Name	OJ991203_01.0128.C2.o1.gp	Method	AAT/GAP
Start	643	End	1142
GI	LIB3475-007-P1-K1-G8	Score	798
Exons	643..815, 892..1142		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12510	Strand	+
Start	458	End	598
Name	OJ991203_01.0128.C3.o1.gs	Method	GENSCAN
Start	458	End	598
GI	none	Score	.69
Exons	458..598		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12511	Strand	-
Start	134	End	536
Name	OJ991203_01.0128.C3.o1.gp	Method	AAT/GAP
Start	134	End	536
GI	7406_1.R1084	Score	649
Exons	134..536		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12512	Strand	-
Start	8107	End	9196
Name	OJ991203_01.0128.C3.o3.gs	Method	GENSCAN
Start	8107	End	9196
GI	none	Score	.71
Exons	8107..8528, 9107..9196		

Seq. No.	5921	Seq. ID	OJ991203_01.0128.C4
Gene No.	12513	Strand	+
Start	143	End	1697
Name	OJ991203_01.0128.C4.o1.gp	Method	AAT/GAP
Start	143	End	1697
GI	21839_1.R1084	Score	319
Exons	143..172, 655..769, 1651..1697		
GI Descrip.	'4406759/gb AAD20070 9.0e-33 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5921	Seq. ID	OJ991203_01.0128.C4
Gene No.	12513	Strand	+
Start	143	End	1697

Name OJ991203_01.0128.C4.o1.gs
 Start 655
 GI none
 Exons 655..769, 1049..1089

Method GENSCAN
 End 1089
 Score .92

Seq. No. 5922
 Gene No. 12514
 Start 1
 Name OJ991203_01.0128.C5.o1.np
 Start 1
 GI 6503302
 Exons 1..50, 578..670, 1115..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2333

Seq. ID OJ991203_01.0128.C5
 Strand +
 End 2481
 Method AAT/NAP
 End 2333
 Score 183

GI Descrip. (AC011713) Is a member of PF|01544 CorA-like Mg2+ transporter protein family. ESTs gb|Z48392 and gb|Z48391 come from this gene. [Arabidopsis thaliana]

Seq. No. 5922
 Gene No. 12514
 Start 1
 Name OJ991203_01.0128.C5.o1.gs
 Start 596
 GI none
 Exons 596..670, 1115..1204, 1418..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2336

Seq. ID OJ991203_01.0128.C5
 Strand +
 End 2481
 Method GENSCAN
 End 2336
 Score .84

Seq. No. 5922
 Gene No. 12514
 Start 1
 Name OJ991203_01.0128.C5.o2.gp
 Start 1319
 GI 53179_1.R1084
 Exons 1319..1342, 1418..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2481
 GI Descrip. '4406759/gb|AAD20070| 6.0e-24 (AC006836) hypothetical protein [Arabidopsis thaliana]'

Seq. ID OJ991203_01.0128.C5
 Strand +
 End 2481
 Method AAT/GAP
 End 2481
 Score 839

Seq. No. 5922
 Gene No. 12515
 Start 11075
 Name OJ991203_01.0128.C5.o3.gp
 Start 11075
 GI 4715309
 Exons 11075..11389, 13334..13433, 13834..13907
 GI Descrip. 1946361 4.0e-26 (U93215) C3HC4 zinc finger protein isolog [Arabidopsis thaliana]

Seq. ID OJ991203_01.0128.C5
 Strand +
 End 16608
 Method AAT/GAP
 End 13907
 Score 910

Seq. No. 5922
 Gene No. 12515
 Start 11075
 Name OJ991203_01.0128.C5.o3.np
 Start 11284
 GI 1946361
 Exons 11284..11389, 13334..13433, 13834..14170, 14291..14429, 14480..14748, 14837..14887, 15260..15332, 15708..15881
 GI Descrip. (U93215) putative C3HC4 zinc finger protein [Arabidopsis thaliana]

Seq. ID OJ991203_01.0128.C5
 Strand +
 End 16608
 Method AAT/NAP
 End 15881
 Score 543

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o4.gs	Method	GENSCAN
Start	13351	End	16608
GI	none	Score	.67
Exons	13351..13433, 13834..14170, 14291..14748, 15260..15332, 15708..15800, 15910..16003, 16445..16608		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o4.gp	Method	AAT/GAP
Start	14682	End	16020
GI	uC-osflcyp129b04a1	Score	948
Exons	14682..14748, 14837..14887, 15260..15332, 15708..16020		
GI Descrip.	'1946361 7.0e-25 (U93215) C3HC4 zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12516	Strand	-
Start	594	End	656
Name	OJ991203_01.0128.C5.o1.gp	Method	AAT/GAP
Start	594	End	656
GI	21839_1.R1084	Score	102
Exons	594..656		
GI Descrip.	'4406759/gb AAD20070 9.0e-33 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12517	Strand	-
Start	3669	End	9374
Name	OJ991203_01.0128.C5.o2.gs	Method	GENSCAN
Start	3669	End	4762
GI	none	Score	.94
Exons	3669..3722, 4203..4322, 4464..4619, 4709..4762		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12517	Strand	-
Start	3669	End	9374
Name	OJ991203_01.0128.C5.o2.np	Method	AAT/NAP
Start	4009	End	9374
GI	1184075	Score	246
Exons	4009..4043, 6789..7339, 9339..9374		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi 1587673 prf 2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	562	End	2452
GI	none	Score	122
Exons	562..696, 581..673, 1107..1343, 1107..1343, 1114..1350, 1412..1465, 1412..1462, 1416..1466, 1417..1467, 1606..1659, 1608..1664, 1736..1774, 1741..1773, 2037..2165, 2039..2176,		

2042..2164, 2249..2347, 2250..2336, 2339..2374, 2399..2452,
2401..2451

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	1118	End	1774
GI	none	Score	77
Exons	1118..1195, 1119..1184, 1189..1293, 1205..1342, 1206..1346, 1226..1315, 1412..1465, 1423..1464, 1608..1664, 1736..1774		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	2004	End	2342
GI	none	Score	210
Exons	2004..2165, 2036..2164, 2250..2342		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	6262	End	6502
GI	none	Score	81
Exons	6262..6381, 6274..6351, 6276..6368, 6302..6382, 6371..6502, 6376..6489, 6381..6500		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	6760	End	7276
GI	none	Score	65
Exons	6760..7014, 6796..7098, 6799..7065, 6821..7015, 6871..7071, 6925..7104, 6925..7038, 7136..7267, 7154..7276, 7154..7273		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	6793	End	7327
GI	none	Score	42
Exons	6793..6966, 6793..7062, 6793..6993, 6793..7104, 6796..7065, 6799..7098, 6871..7098, 6874..7104, 7015..7104, 7130..7273, 7133..7279, 7133..7273, 7136..7273, 7163..7270, 7283..7327		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	6793	End	7339
GI	none	Score	42
Exons	6793..6966, 6796..7041, 6829..7098, 6829..7029, 6979..7098, 6995..7099, 7124..7339, 7124..7273, 7143..7268, 7163..7249		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o5.np	Method	AAT/NAP
Start	17696	End	19775
GI	5430752	Score	143
Exons	17696..17715, 18734..18950, 19375..19775		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	18784	End	19065
GI	none	Score	74
Exons	18784..18849, 18786..18845, 18843..19064, 18844..19065		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o4.np	Method	AAT/NAP
Start	18807	End	19484
GI	3063466	Score	326
Exons	18807..19358, 19399..19484		
GI Descrip.	(AC003981) F22013.28 [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o5.gp	Method	AAT/GAP
Start	19022	End	19464
GI	none	Score	837
Exons	19022..19464		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12519	Strand	+
Start	567	End	1384
Name	OJ991203_01.0128.C6.o1.gs	Method	GENSCAN
Start	567	End	1384
GI	none	Score	.81
Exons	567..718, 830..873, 1209..1384		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12520	Strand	+
Start	6280	End	6357
Name	OJ991203_01.0128.C6.o2.gp	Method	AAT/GAP
Start	6280	End	6357
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	6280..6357		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12521	Strand	+
Start	8652	End	11423
Name	OJ991203_01.0128.C6.o2.np	Method	AAT/NAP

Start	8652	End	11423
GI	226691	Score	131
Exons	8652..8939, 11380..11423		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12522	Strand	-
Start	43	End	484
Name	OJ991203_01.0128.C6.o1.gp	Method	AAT/GAP
Start	43	End	484
GI	LIB3432-059-P1-K1-D8	Score	667
Exons	43..484		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12523	Strand	-
Start	2905	End	4540
Name	OJ991203_01.0128.C6.o1.np	Method	AAT/NAP
Start	2905	End	4540
GI	5915835	Score	1005
Exons	2905..3519, 3615..4540		
GI Descrip.	CYTOCHROME P450 71D6 gi 1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	2918	End	4405
GI	none	Score	107
Exons	2918..3127, 2926..3180, 3193..3525, 3203..3505, 3968..4405, 4089..4370		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	2941	End	3171
GI	none	Score	133
Exons	2941..3171, 2954..3130, 2998..3135, 3009..3170		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	2950	End	4454
GI	none	Score	94
Exons	2950..3186, 2951..3127, 3190..3363, 3206..3352, 3379..3525, 3380..3520, 3615..3653, 3686..3757, 3875..4042, 4065..4454, 4085..4423		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	3044	End	3550

GI	none	Score	87
Exons	3044..3130, 3052..3171, 3196..3360, 3206..3382, 3370..3519, 3371..3550		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	3205	End	3559
GI	none	Score	131
Exons	3205..3384, 3206..3349, 3253..3378, 3359..3559, 3370..3519		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	4097	End	4531
GI	none	Score	153
Exons	4097..4228, 4097..4423, 4107..4457, 4475..4531		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.gs	Method	GENSCAN
Start	7308	End	16742
GI	none	Score	.67
Exons	7308..7406, 10057..10219, 10572..10628, 11263..11388, 11477..12301, 12662..12830, 13076..13242, 13669..13839, 15820..15921, 16361..16438, 16654..16742		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.gp	Method	AAT/GAP
Start	10031	End	10410
GI	5803472	Score	712
Exons	10031..10410		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.np	Method	AAT/NAP
Start	10481	End	12372
GI	1946360	Score	510
Exons	10481..10628, 11263..11388, 11477..11982, 12013..12372		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	10484	End	11697
GI	none	Score	41
Exons	10484..10525, 10502..10630, 10503..10595, 10503..10682, 10505..10630, 10513..10632, 11238..11282, 11258..11341, 11262..11390, 11263..11334, 11263..11391, 11328..11390, 11471..11695, 11475..11696, 11476..11697		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	10508	End	11517
GI	none	Score	91
Exons	10508..10642, 10517..10660, 10533..10682, 11239..11334, 11262..11390, 11476..11517		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	10508	End	11532
GI	none	Score	94
Exons	10508..10630, 10509..10595, 11262..11390, 11263..11334, 11476..11532		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	10523	End	11574
GI	none	Score	71
Exons	10523..10642, 10527..10595, 11262..11390, 11266..11334, 11476..11574		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o4.gp	Method	AAT/GAP
Start	11971	End	12342
GI	5803471	Score	684
Exons	11971..12342		

Seq. No.	5924	Seq. ID	OJ991203_01.0128.C7
Gene No.	12525	Strand	-
Start	8633	End	9064
Name	OJ991203_01.0128.C7.o1.gp	Method	AAT/GAP
Start	8633	End	9064
GI	none	Score	787
Exons	8633..9064		

Seq. No.	5925	Seq. ID	OJ991203_01.0128.C8
Gene No.	12526	Strand	-
Start	193	End	336
Name	OJ991203_01.0128.C8.o1.gs	Method	GENSCAN
Start	193	End	336
GI	none	Score	.61
Exons	193..336		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12527	Strand	+
Start	2722	End	2884
Name	OJ991203_01.0128.C10.o2.gp	Method	AAT/GAP
Start	2722	End	2884

GI 7406_1.R1084 Score 213
 Exons 2722..2884
 GI Descrip. '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12528 Strand +
 Start 3282 End 7421
 Name OJ991203_01.0128.C10.o2.gs Method GENSCAN
 Start 3282 End 7421
 GI none Score .84
 Exons 3282..3388, 4164..4499, 4647..4914, 5760..7421

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12528 Strand +
 Start 3282 End 7421
 Name OJ991203_01.0128.C10.o3.np Method AAT/NAP
 Start 4285 End 7418
 GI 2244772 Score 1514
 Exons 4285..4997, 5814..7418
 GI Descrip. (Z97335) transport protein [Arabidopsis thaliana]

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12528 Strand +
 Start 3282 End 7421
 Name OJ991203_01.0128.C10.o3.gp Method AAT/GAP
 Start 4341 End 4573
 GI 5003562 Score 450
 Exons 4341..4573

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12528 Strand +
 Start 3282 End 7421
 Name OJ991203_01.0128.C10.o4.gp Method AAT/GAP
 Start 6007 End 6446
 GI LIB3433-008-Q6-K1-B8 Score 819
 Exons 6007..6446
 GI Descrip. '3935152 8.0e-27 (AC005106) T25N20.16 [Arabidopsis thaliana]'

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12529 Strand +
 Start 12948 End 15969
 Name OJ991203_01.0128.C10.o5.np Method AAT/NAP
 Start 12469 End 14317
 GI 5852093 Score 76
 Exons 12469..12577, 14297..14317
 GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10
 Gene No. 12529 Strand +
 Start 12948 End 15969
 Name OJ991203_01.0128.C10.o4.gs Method GENSCAN
 Start 12948 End 15969
 GI none Score .52
 Exons 12948..13060, 15494..15610, 15813..15969

Seq. No. 5926 Seq. ID OJ991203_01.0128.C10

Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o7.gs	Method	GENSCAN
Start	28592	End	34273
GI	none	Score	.66
Exons	28592..28770, 30038..30065, 30177..32150, 33025..33162, 33925..34051, 34149..34273		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o6.np	Method	AAT/NAP
Start	29348	End	32202
GI	6175175	Score	1305
Exons	29348..29393, 30397..32202		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o8.gp	Method	AAT/GAP
Start	31184	End	31644
GI	uC-osrocyp011d08b1	Score	915
Exons	31184..31644		
GI Descrip.	'4544450/gb AAD22358.1 AC006592_15 1.0e-22 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	1830
GI	5441880	Score	1928
Exons	1..93, 349..380, 825..1830		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.gs	Method	GENSCAN
Start	49	End	2283
GI	none	Score	.99
Exons	49..2283		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.gp	Method	AAT/GAP
Start	795	End	1226
GI	5701669	Score	845
Exons	795..1226		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o2.np	Method	AAT/NAP
Start	1843	End	2900
GI	6721543	Score	173
Exons	1843..1959, 2772..2900		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o5.gp	Method	AAT/GAP
Start	8367	End	9719
GI	21144_1.R1084	Score	1875
Exons	8367..8749, 8834..8895, 9020..9113, 9227..9719		
GI Descrip.	'4760545/dbj BAA77333.1 1.0e-10 (AB019492) IDN4-GGTR14 [Homo sapiens]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o3.gs	Method	GENSCAN
Start	8695	End	10827
GI	none	Score	.84
Exons	8695..8749, 9020..9113, 9227..9450, 10577..10827		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o4.np	Method	AAT/NAP
Start	8715	End	10818
GI	2618721	Score	459
Exons	8715..8749, 8834..8895, 9020..9160, 9225..9492, 10616..10818		
GI Descrip.	(U49072) IAA16 [Arabidopsis thaliana] gi 6175173 gb AAF04899.1 AC011437_14 (AC011437) auxin-induced protein [Arabidopsis thaliana]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o6.gp	Method	AAT/GAP
Start	10597	End	10970
GI	572142	Score	479
Exons	10597..10970		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o2.tw	Method	TBLASTX:Wheat
Start	595	End	975
GI	none	Score	80
Exons	595..771, 656..748, 769..966, 781..975		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725

Name	OJ991203_01.0128.C10.o5.tm	Method	TBLASTX:Maize
Start	673	End	1269
GI	none	Score	154
Exons	673..768, 808..1107, 869..1090, 1141..1269, 1163..1261		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o6.tm	Method	TBLASTX:Maize
Start	4258	End	4656
GI	none	Score	204
Exons	4258..4302, 4294..4335, 4297..4416, 4326..4424, 4507..4635, 4515..4583, 4555..4656		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o7.tm	Method	TBLASTX:Maize
Start	4722	End	4955
GI	none	Score	246
Exons	4722..4955, 4723..4902		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o3.tc	Method	TBLASTX:Cress
Start	4789	End	6530
GI	none	Score	84
Exons	4789..4917, 5814..5897, 5954..6319, 5955..6320, 6326..6472, 6327..6530		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.tm	Method	TBLASTX:Maize
Start	5789	End	6088
GI	none	Score	211
Exons	5789..5941, 5791..5925, 5792..5944, 5793..5945, 5924..6088, 5925..6086, 5986..6087		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.ts	Method	TBLASTX:Soybean
Start	5829	End	6200
GI	none	Score	89
Exons	5829..5903, 5829..5888, 5922..5981, 5969..6199, 5982..6200		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	6201	End	7421
GI	none	Score	91
Exons	6201..6320, 6206..6310, 6326..6514, 6327..6566, 6576..6653, 6666..7319, 6687..6833, 6791..6967, 6873..6998, 7013..7150, 7020..7307, 7238..7318, 7329..7421, 7337..7411		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	6342	End	7421
GI	none	Score	170
Exons	6342..6566, 6576..6653, 6672..7319, 6771..7052, 6791..7156, 7083..7322, 7332..7421, 7340..7414		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	6375	End	6701
GI	none	Score	526
Exons	6375..6698, 6375..6623, 6397..6669, 6675..6701		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.tc	Method	TBLASTX:Cress
Start	6675	End	6965
GI	none	Score	256
Exons	6675..6965, 6687..6716, 6744..6965		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	6966	End	7421
GI	none	Score	366
Exons	6966..7319, 6966..7295, 7238..7318, 7326..7421, 7337..7414		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o3.tm	Method	TBLASTX:Maize
Start	8363	End	10827
GI	none	Score	65
Exons	8363..8437, 8364..8441, 8364..8459, 8365..8460, 8434..8598, 8464..8589, 8474..8599, 8615..8695, 8643..8699, 8693..8749, 8694..8750, 8696..8749, 8701..8754, 8820..8894, 8834..8893, 8835..8894, 8836..8895, 9000..9065, 9004..9078, 9019..9072, 9073..9117, 9207..9347, 9226..9351, 9374..9493, 9407..9481, 9420..9494, 9424..9495, 10678..10725, 10679..10717, 10771..10827, 10773..10820		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o2.ts	Method	TBLASTX:Soybean
Start	8710	End	9494
GI	none	Score	58
Exons	8710..8763, 8714..8764, 8835..8894, 8839..8943, 9004..9114, 9022..9105, 9234..9347, 9247..9351, 9441..9494, 9447..9488		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o5.tc	Method	TBLASTX:Cress
Start	8835	End	9335
GI	none	Score	54
Exons	8835..8894, 8836..8895, 9010..9072, 9010..9096, 9186..9335		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o5.gs	Method	GENSCAN
Start	17788	End	18725
GI	none	Score	.69
Exons	17788..18026, 18656..18725		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o2.tm	Method	TBLASTX:Maize
Start	30828	End	32195
GI	none	Score	142
Exons	30828..31172, 30845..31105, 30966..31160, 31071..31145, 31176..31322, 31176..31313, 31188..31349, 31245..31481, 31281..31355, 31287..31571, 31290..31496, 31290..31517, 31326..31754, 31350..31493, 31422..32195, 31445..31786, 31461..31787, 31598..31855, 31781..31846		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o2.tc	Method	TBLASTX:Cress
Start	31185	End	31877
GI	none	Score	347
Exons	31185..31769, 31473..31754, 31577..31771, 31638..31853, 31641..31817, 31770..31877		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o3.tw	Method	TBLASTX:Wheat
Start	31185	End	32054
GI	none	Score	94
Exons	31185..31322, 31431..31901, 31595..31903, 31722..31868, 31905..32054		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o3.ts	Method	TBLASTX:Soybean
Start	31344	End	31997
GI	none	Score	96
Exons	31344..31571, 31665..31997, 31668..31997		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285

Name	OJ991203_01.0128.C10.o6.tc	Method	TBLASTX:Cress
Start	31878	End	32285
GI	none	Score	213
Exons	31878..32195, 31892..31996, 32094..32285		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12535	Strand	+
Start	266	End	744
Name	OJ991203_01.0128.C11.o1.gs	Method	GENSCAN
Start	266	End	744
GI	none	Score	.95
Exons	266..328, 418..744		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12536	Strand	+
Start	1581	End	10414
Name	OJ991203_01.0128.C11.o2.gs	Method	GENSCAN
Start	1581	End	10414
GI	none	Score	.51
Exons	1581..1889, 4623..4802, 4816..4959, 6059..6187, 6372..6494, 6788..6968, 8053..8277, 9770..9947, 10261..10414		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12536	Strand	+
Start	1581	End	10414
Name	OJ991203_01.0128.C11.o1.np	Method	AAT/NAP
Start	4654	End	7012
GI	3056589	Score	391
Exons	4654..4830, 4909..4959, 6059..6187, 6372..6494, 6788..7012		
GI Descrip.	(AC004255) T1F9.10 [Arabidopsis thaliana]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12537	Strand	+
Start	14649	End	15215
Name	OJ991203_01.0128.C11.o3.gp	Method	AAT/GAP
Start	14649	End	15215
GI	4715712	Score	1109
Exons	14649..15215		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12538	Strand	+
Start	15842	End	16813
Name	OJ991203_01.0128.C11.o4.gs	Method	GENSCAN
Start	15842	End	16813
GI	none	Score	.46
Exons	15842..16318, 16476..16813		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12538	Strand	+
Start	15842	End	16813
Name	OJ991203_01.0128.C11.o4.gp	Method	AAT/GAP
Start	16144	End	16706
GI	2799896	Score	289
Exons	16144..16318, 16686..16706		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12539	Strand	-

Start	534	End	867
Name	OJ991203_01.0128.C11.o1.gp	Method	AAT/GAP
Start	534	End	867
GI	2798412	Score	599
Exons	534..867		
GI Descrip.	4760545/dbj BAA77333.1 1.0e-10 (AB019492) IDN4-GGTR14 [Homo sapiens]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	244	End	783
GI	none	Score	140
Exons	244..354, 245..328, 246..329, 247..330, 400..486, 400..492, 402..488, 416..493, 475..783, 484..756, 495..767		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.ts	Method	TBLASTX:Soybean
Start	308	End	690
GI	none	Score	36
Exons	308..328, 400..477, 415..477, 417..485, 460..627, 498..620, 505..690, 510..641		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o3.tm	Method	TBLASTX:Maize
Start	4653	End	7018
GI	none	Score	84
Exons	4653..4745, 4654..4719, 4698..4961, 4738..4962, 6058..6189, 6059..6187, 6365..6541, 6372..6542, 6785..6856, 6786..6884, 6787..6834, 6794..6910, 6854..6973, 6932..7018		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	4725	End	6166
GI	none	Score	249
Exons	4725..4949, 4738..4962, 6049..6165, 6059..6166		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o3.gs	Method	GENSCAN
Start	10904	End	12623
GI	none	Score	.79
Exons	10904..11744, 12604..12623		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	10934	End	11749

GI	none	Score	66
Exons	10934..11005, 11057..11098, 11103..11180, 11107..11181, 11192..11512, 11193..11510, 11615..11749		
Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.np	Method	AAT/NAP
Start	11053	End	11906
GI	3915029	Score	473
Exons	11053..11525, 11559..11906		
GI Descrip.	ACYL-[ACYL-CARRIER PROTEIN] DESATURASE PRECURSOR (STEAROYL-ACP DESATURASE) gi 976257 dbj BAA07631 (D38753) stearyl-ACP desaturase [Oryza sativa]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	11103	End	11722
GI	none	Score	50
Exons	11103..11180, 11107..11181, 11192..11512, 11193..11510, 11615..11722		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	11103	End	11716
GI	none	Score	157
Exons	11103..11180, 11192..11512, 11208..11513, 11615..11716		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12541	Strand	-
Start	16683	End	16850
Name	OJ991203_01.0128.C11.o4.tm	Method	TBLASTX:Maize
Start	16683	End	16850
GI	none	Score	228
Exons	16683..16850, 16685..16846		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.gs	Method	GENSCAN
Start	313	End	1040
GI	none	Score	.99
Exons	313..537, 648..1040		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	343	End	930
GI	none	Score	178
Exons	343..465, 343..531, 633..860, 646..915, 862..930, 864..899, 865..921		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.ol.tc	Method	TBLASTX:Cress
Start	499	End	915
GI	none	Score	46
Exons	499..537, 639..740, 652..741, 756..899, 760..915		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.ol.ts	Method	TBLASTX:Soybean
Start	499	End	900
GI	none	Score	96
Exons	499..537, 639..800, 646..801, 804..899, 808..900		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.ol.gp	Method	AAT/GAP
Start	740	End	1044
GI	none	Score	528
Exons	740..1044		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.ol.np	Method	AAT/NAP
Start	231	End	1450
GI	2190016	Score	151
Exons	231..317, 1161..1450		
GI Descrip.	(AB004269) alliinase [<i>Allium tuberosum</i>]		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.ol.gp	Method	AAT/GAP
Start	988	End	1348
GI	LIB3431-058-P1-K1-D2	Score	643
Exons	988..1348		
GI Descrip.	'15961/emb CAA78267 3.0e-22 (Z12621) precursor alliinase [<i>Allium cepa</i>]'		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.ol.gs	Method	GENSCAN
Start	1005	End	1348
GI	none	Score	.78
Exons	1005..1348		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.ol.tm	Method	TBLASTX:Maize
Start	1043	End	1340
GI	none	Score	60

Exons 1043..1117, 1044..1118, 1056..1238, 1152..1241, 1226..1339, 1242..1340

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	6630685	Score	1567
Exons	1..1510		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	24	End	484
GI	5509260	Score	563
Exons	24..479, 56..181, 227..484		
GI Descrip.	-		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	36	End	476
GI	none	Score	57
Exons	36..89, 69..470, 131..181, 211..249, 268..471, 290..460, 297..476		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	105	End	365
GI	none	Score	232
Exons	105..365		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	146	End	585
GI	none	Score	490
Exons	146..520, 147..584, 300..524, 532..585		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.gs	Method	GENSCAN
Start	242	End	1399
GI	none	Score	.76
Exons	242..446, 531..654, 798..1399		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+

Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	660	End	1090
GI	none	Score	66
Exons	660..749, 755..808, 833..1090, 844..972		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	836	End	1492
GI	none	Score	710
Exons	836..1492, 844..1461, 1277..1477		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	854	End	1522
GI	none	Score	288
Exons	854..1243, 958..1200, 1262..1522, 1276..1368, 1423..1446		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	1139	End	1447
GI	none	Score	79
Exons	1139..1252, 1271..1447, 1274..1447		

Seq. No.	5931	Seq. ID	OJ990323_12.0103.C6
Gene No.	12545	Strand	+
Start	19	End	255
Name	OJ990323_12.0103.C6.o1.gs	Method	GENSCAN
Start	19	End	255
GI	none	Score	.9
Exons	19..54, 115..255		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	1173
GI	4416302	Score	693
Exons	1..911, 978..1173		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	46	End	604
GI	none	Score	115
Exons	46..258, 316..357, 395..604, 425..595, 430..603		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+

Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	271	End	907
GI	none	Score	87
Exons	271..336, 276..338, 419..760, 424..759, 755..907		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	446	End	907
GI	none	Score	254
Exons	446..757, 463..750, 779..907		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	463	End	901
GI	none	Score	180
Exons	463..549, 464..754, 464..622, 764..901		

Seq. No.	5933	Seq. ID	OJ990323_12.0103.C12
Gene No.	12547	Strand	-
Start	151	End	319
Name	OJ990323_12.0103.C12.o1.gs	Method	GENSCAN
Start	151	End	319
GI	none	Score	.54
Exons	151..319		

Seq. No.	5934	Seq. ID	OJ990323_12.0103.C17
Gene No.	12548	Strand	-
Start	211	End	329
Name	OJ990323_12.0103.C17.o1.gs	Method	GENSCAN
Start	211	End	329
GI	none	Score	.66
Exons	211..329		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.np	Method	AAT/NAP
Start	988	End	9857
GI	6358810	Score	2146
Exons	988..1160, 1406..1514, 2853..2972, 3325..3426, 3692..4041, 4866..5473, 6755..6944, 7432..7538, 8269..8518, 8953..9075, 9435..9602, 9705..9857		

GI Descrip. (AC010675) putative alpha-amylase [Arabidopsis thaliana]

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.gs	Method	GENSCAN
Start	1263	End	6598
GI	none	Score	.83
Exons	1263..1514, 1604..1737, 1963..2059, 2853..2991, 3026..3105, 3724..4041, 4866..5473, 6472..6598		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.ts	Method	TBLASTX:Soybean
Start	3667	End	3987
GI	none	Score	54
Exons	3667..3732, 3793..3987, 3798..3986		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o4.tm	Method	TBLASTX:Maize
Start	3917	End	5003
GI	none	Score	216
Exons	3917..4027, 3918..4040, 3919..4041, 4853..4999, 4861..4992, 4869..5003		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	5178	End	5408
GI	none	Score	365
Exons	5178..5408, 5180..5407		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.tc	Method	TBLASTX:Cress
Start	5382	End	7538
GI	none	Score	97
Exons	5382..5441, 5384..5440, 5433..5477, 5435..5476, 6738..6950, 6749..6949, 6753..6956, 7414..7536, 7425..7538, 7432..7536		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.tm	Method	TBLASTX:Maize
Start	5408	End	8442
GI	none	Score	129
Exons	5408..5476, 5409..5486, 6736..6945, 6738..6950, 6755..6949, 7425..7517, 7430..7528, 7432..7518, 7512..7544, 7513..7554, 7516..7548, 8266..8442, 8267..8440		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.gs	Method	GENSCAN
Start	6765	End	10053
GI	none	Score	.95
Exons	6765..6944, 7432..7538, 8269..8518, 8953..9075, 9435..9602, 9705..9842, 9925..10053		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053

Name	OJ990323_12.0103.C19.o2.ts	Method	TBLASTX:Soybean
Start	7435	End	8520
GI	none	Score	146
Exons	7435..7554, 7437..7604, 8267..8518, 8272..8517, 8285..8518, 8287..8520		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	8270	End	8524
GI	none	Score	412
Exons	8270..8518, 8272..8508, 8273..8524		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	8471	End	10036
GI	none	Score	72
Exons	8471..8518, 8909..9082, 8952..9074, 8953..9093, 8956..9081, 9427..9603, 9434..9601, 9435..9611, 9702..9881, 9702..9851, 9704..9886, 9968..10036		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.tc	Method	TBLASTX:Cress
Start	8952	End	9794
GI	none	Score	109
Exons	8952..9086, 8952..9071, 8953..9093, 8971..9081, 9425..9592, 9426..9602, 9434..9607, 9435..9602, 9710..9793, 9717..9794		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	8961	End	9871
GI	none	Score	104
Exons	8961..9086, 8961..9071, 8962..9096, 8962..9081, 9425..9535, 9426..9536, 9431..9604, 9435..9611, 9705..9794, 9707..9793, 9791..9871, 9792..9869		

Seq. No.	5936	Seq. ID	OJ990323_12.0103.C20
Gene No.	12550	Strand	+
Start	400	End	680
Name	OJ990323_12.0103.C20.o1.gs	Method	GENSCAN
Start	400	End	680
GI	none	Score	.93
Exons	400..411, 543..680		

Seq. No.	5937	Seq. ID	OJ990323_12.0103.C26
Gene No.	12551	Strand	+
Start	96	End	686
Name	OJ990323_12.0103.C26.o1.gs	Method	GENSCAN
Start	96	End	686
GI	none	Score	.79

Exons 96..160, 260..311, 465..686

Seq. No.	5938	Seq. ID	OJ990323_12.0103.C28
Gene No.	12552	Strand	+
Start	353	End	525
Name	OJ990323_12.0103.C28.o1.np	Method	AAT/NAP
Start	353	End	525
GI	6721547	Score	86
Exons	353..525		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5939	Seq. ID	OJ990323_12.0103.C29
Gene No.	12553	Strand	-
Start	407	End	580
Name	OJ990323_12.0103.C29.o1.gs	Method	GENSCAN
Start	407	End	580
GI	none	Score	.97
Exons	407..580		

Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	582
GI	6539269	Score	124
Exons	1..70, 407..582		
GI Descrip.	(AC011765) unknown protein [Arabidopsis thaliana]		

Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	403	End	556
GI	none	Score	148
Exons	403..549, 406..555, 407..556		

Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.tc	Method	TBLASTX:Cress
Start	404	End	580
GI	none	Score	181
Exons	404..580, 406..564		

Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.gp	Method	AAT/GAP
Start	407	End	582
GI	22827 1.R1084	Score	254
Exons	407..582		
GI Descrip.	'5882749/gb AAD55302.1 AC008263_33 7.0e-27 (AC008263) Contains 2 PF_00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]'		

Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+

Start	1	End	582
Name	OJ990323_12.0103.C30.o1.gs	Method	GENSCAN
Start	407	End	557
GI	none	Score	.84
Exons	407..557		

Seq. No.	5941	Seq. ID	OJ990323_12.0103.C32
Gene No.	12555	Strand	+
Start	320	End	729
Name	OJ990323_12.0103.C32.o1.np	Method	AAT/NAP
Start	320	End	729
GI	6539588	Score	201
Exons	320..624, 700..729		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5941	Seq. ID	OJ990323_12.0103.C32
Gene No.	12555	Strand	+
Start	320	End	729
Name	OJ990323_12.0103.C32.o1.gs	Method	GENSCAN
Start	440	End	628
GI	none	Score	.74
Exons	440..628		

Seq. No.	5942	Seq. ID	OJ990323_12.0103.C33
Gene No.	12556	Strand	-
Start	709	End	985
Name	OJ990323_12.0103.C33.o1.gs	Method	GENSCAN
Start	709	End	985
GI	none	Score	.59
Exons	709..985		

Seq. No.	5943	Seq. ID	OJ990323_12.0103.C34
Gene No.	12557	Strand	+
Start	81	End	489
Name	OJ990323_12.0103.C34.o1.gs	Method	GENSCAN
Start	81	End	390
GI	none	Score	.99
Exons	81..390		

Seq. No.	5943	Seq. ID	OJ990323_12.0103.C34
Gene No.	12557	Strand	+
Start	81	End	489
Name	OJ990323_12.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	96	End	489
GI	none	Score	203
Exons	96..254, 131..223, 306..362, 427..489		

Seq. No.	5944	Seq. ID	OJ990323_12.0103.C38
Gene No.	12558	Strand	+
Start	82	End	722
Name	OJ990323_12.0103.C38.o1.gs	Method	GENSCAN
Start	82	End	722
GI	none	Score	.67
Exons	82..722		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12559	Strand	+

Start	1397	End	4511
Name	OJ990323_12.0103.C39.o1.gs	Method	GENSCAN
Start	1397	End	4511
GI	none	Score	.82
Exons	1397..1539, 1636..3108, 3186..3283, 3386..3510, 3649..3723, 4015..4511		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12560	Strand	+
Start	4801	End	4902
Name	OJ990323_12.0103.C39.o2.gp	Method	AAT/GAP
Start	4801	End	4902
GI	none	Score	119
Exons	4801..4902		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12561	Strand	-
Start	645	End	979
Name	OJ990323_12.0103.C39.o1.gp	Method	AAT/GAP
Start	645	End	979
GI	none	Score	638
Exons	645..979		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.np	Method	AAT/NAP
Start	5177	End	6370
GI	4544372	Score	527
Exons	5177..6370		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.ts	Method	TBLASTX:Soybean
Start	5183	End	5416
GI	none	Score	69
Exons	5183..5404, 5183..5416, 5283..5414		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.tw	Method	TBLASTX:Wheat
Start	5192	End	5599
GI	none	Score	66
Exons	5192..5599, 5226..5369		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o2.gs	Method	GENSCAN
Start	5213	End	5974
GI	none	Score	.98
Exons	5213..5974		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o2.tw	Method	TBLASTX:Wheat
Start	5885	End	6159
GI	none	Score	139
Exons	5885..5974, 5986..6159		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.tm	Method	TBLASTX:Maize
Start	5998	End	6303
GI	none	Score	203
Exons	5998..6303		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12563	Strand	+
Start	6305	End	9705
Name	OJ990323_12.0103.C40.o2.np	Method	AAT/NAP
Start	6305	End	9705
GI	6539263	Score	845
Exons	6305..6330, 7497..8037, 8245..9210, 9622..9705		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12563	Strand	+
Start	6305	End	9705
Name	OJ990323_12.0103.C40.o2.gs	Method	GENSCAN
Start	7426	End	9252
GI	none	Score	.66
Exons	7426..9252		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.np	Method	AAT/NAP
Start	1	End	3497
GI	4206306	Score	844
Exons	1..1743, 1859..2408, 3474..3497		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	38
Exons	2..262, 15..146, 186..251, 302..391		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o2.ts	Method	TBLASTX:Soybean
Start	24	End	436
GI	none	Score	136
Exons	24..278, 26..277, 299..436, 303..434		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.gs	Method	GENSCAN
Start	50	End	6656
GI	none	Score	.52
Exons	50..1889, 2005..3478, 3634..4162, 4446..4624, 4748..4837, 5113..5680, 5986..6182, 6542..6656		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.ts	Method	TBLASTX:Soybean
Start	587	End	1057
GI	none	Score	86
Exons	587..775, 600..731, 776..1057, 945..1019		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o4.tw	Method	TBLASTX:Wheat
Start	674	End	1072
GI	none	Score	194
Exons	674..775, 737..1072		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.tm	Method	TBLASTX:Maize
Start	743	End	1204
GI	none	Score	76
Exons	743..1204, 744..863, 809..1204		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.tw	Method	TBLASTX:Wheat
Start	1073	End	1477
GI	none	Score	183
Exons	1073..1351, 1080..1187, 1094..1426, 1116..1418, 1333..1419, 1421..1477, 1431..1472		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.tm	Method	TBLASTX:Maize
Start	1205	End	1423
GI	none	Score	181
Exons	1205..1423, 1206..1418		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o6.ts	Method	TBLASTX:Soybean
Start	1274	End	1639
GI	none	Score	75

Exons 1274..1408, 1415..1639, 1416..1628

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o5.ts	Method	TBLASTX:Soybean
Start	1989	End	2387
GI	none	Score	204
Exons	1989..2387		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tm	Method	TBLASTX:Maize
Start	7534	End	9240
GI	none	Score	35
Exons	7534..7674, 7680..7760, 7690..7947, 7708..7959, 7734..7946, 7741..7812, 7767..7919, 7788..7925, 7789..7959, 7885..8052, 7888..8094, 7888..8136, 7920..8093, 8065..8163, 8173..8382, 8179..8418, 8182..8349, 8190..8381, 8272..8442, 8365..9240, 8368..8688, 8494..8601, 8644..8811		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o1.tc	Method	TBLASTX:Cress
Start	7690	End	8775
GI	none	Score	252
Exons	7690..8139, 7693..7842, 7735..7971, 7893..8057, 7894..8064, 8068..8133, 8140..8271, 8170..8661, 8173..8349, 8187..8348, 8227..8652, 8334..8432, 8341..8421, 8437..8643, 8482..8667, 8484..8663, 8536..8736, 8656..8775, 8671..8775		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tw	Method	TBLASTX:Wheat
Start	7696	End	8793
GI	none	Score	151
Exons	7696..7956, 7784..7855, 7794..7955, 7894..8136, 8020..8184, 8067..8147, 8176..8409, 8326..8793, 8346..8735, 8643..8738		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o4.ts	Method	TBLASTX:Soybean
Start	7818	End	8673
GI	none	Score	97
Exons	7818..7961, 7819..7962, 7870..7992, 7912..8136, 7917..8132, 8182..8292, 8212..8595, 8514..8672, 8515..8673		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o1.ts	Method	TBLASTX:Soybean
Start	8674	End	9171
GI	none	Score	367

Exons 8674..9171, 9006..9170

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tc	Method	TBLASTX:Cress
Start	8779	End	9099
GI	none	Score	213
Exons	8779..9099, 8790..8897		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12566	Strand	+
Start	1297	End	1595
Name	OJ990323_12.0103.C41.o1.gp	Method	AAT/GAP
Start	1297	End	1595
GI	uC-osflcyp141h11b1	Score	574
Exons	1297..1595		
GI Descrip.	'4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]'		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12567	Strand	+
Start	6769	End	9323
Name	OJ990323_12.0103.C41.o3.np	Method	AAT/NAP
Start	6769	End	9232
GI	3377509	Score	670
Exons	6769..7276, 7544..8441, 8535..8620, 8738..8895, 8991..9067, 9169..9232		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12567	Strand	+
Start	6769	End	9323
Name	OJ990323_12.0103.C41.o2.gp	Method	AAT/GAP
Start	8549	End	9323
GI	2311558	Score	841
Exons	8549..8620, 8738..8895, 8991..9067, 9169..9323		
GI Descrip.	4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o4.ts	Method	TBLASTX:Soybean
Start	2054	End	2315
GI	none	Score	81
Exons	2054..2185, 2090..2170, 2094..2234, 2094..2315		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o3.tm	Method	TBLASTX:Maize
Start	2085	End	2384
GI	none	Score	339
Exons	2085..2384		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
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Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tc	Method	TBLASTX:Cress
Start	2091	End	2628
GI	none	Score	125
Exons	2091..2627, 2094..2384, 2443..2628		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.np	Method	AAT/NAP
Start	2097	End	5237
GI	2244839	Score	1102
Exons	2097..3546, 5156..5237		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o2.ts	Method	TBLASTX:Soybean
Start	2319	End	2855
GI	none	Score	147
Exons	2319..2855, 2479..2820		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	2385	End	3548
GI	none	Score	89
Exons	2385..3212, 2434..2634, 2713..3090, 2883..3194, 3006..3194, 3016..3195, 3135..3329, 3153..3398, 3207..3398, 3240..3404, 3276..3392, 3342..3416, 3474..3548, 3475..3546		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	2788	End	3414
GI	none	Score	237
Exons	2788..3216, 2790..3269, 3153..3413, 3157..3414		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o3.tc	Method	TBLASTX:Cress
Start	2814	End	3416
GI	none	Score	64
Exons	2814..2936, 2815..2925, 2823..3044, 2922..3209, 2934..3413, 2935..3336, 3240..3371, 3249..3416		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o5.ts	Method	TBLASTX:Soybean
Start	2868	End	3401
GI	none	Score	81

Exons 2868..3023, 2955..3104, 2962..3108, 3114..3326, 3165..3323, 3258..3401

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o4.tm	Method	TBLASTX:Maize
Start	6738	End	7109
GI	none	Score	328
Exons	6738..7109, 6739..7107		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o2.tc	Method	TBLASTX:Cress
Start	6765	End	9217
GI	none	Score	272
Exons	6765..7241, 6769..7017, 7063..7239, 8356..8445, 8364..8444, 8532..8621, 8533..8622, 8736..8891, 8737..8895, 8985..9068, 8987..9067, 9146..9217		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o1.ts	Method	TBLASTX:Soybean
Start	6772	End	7212
GI	none	Score	493
Exons	6772..7212, 6772..7011, 6774..7208		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o3.ts	Method	TBLASTX:Soybean
Start	8293	End	9226
GI	none	Score	98
Exons	8293..8445, 8364..8453, 8532..8621, 8533..8622, 8736..8891, 8737..8895, 8766..8897, 8980..9057, 8985..9065, 8986..9057, 8987..9064, 9146..9226		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	8356	End	9226
GI	none	Score	94
Exons	8356..8445, 8533..8622, 8535..8621, 8736..8894, 8737..8895, 8985..9065, 8990..9064, 9170..9226		

Seq. No.	5948	Seq. ID	OJ990323_12.0103.C42
Gene No.	12570	Strand	+
Start	1093	End	2477
Name	OJ990323_12.0103.C42.o1.np	Method	AAT/NAP
Start	1093	End	2477
GI	5929932	Score	115
Exons	1093..1144, 1292..1363, 2390..2477		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	5949	Seq. ID	OJ990323_12.0103.C43
Gene No.	12571	Strand	+
Start	1	End	747
Name	OJ990323_12.0103.C43.ol.np	Method	AAT/NAP
Start	1	End	747
GI	5929932	Score	72
Exons	1..99, 485..617, 679..747		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	5950	Seq. ID	OJ990323_12.0103.C44
Gene No.	12572	Strand	-
Start	446	End	754
Name	OJ990323_12.0103.C44.ol.gp	Method	AAT/GAP
Start	446	End	754
GI	none	Score	561
Exons	446..754		

Seq. No.	5951	Seq. ID	OJ990323_12.0103.C45
Gene No.	12573	Strand	+
Start	82	End	185
Name	OJ990323_12.0103.C45.ol.gs	Method	GENSCAN
Start	82	End	185
GI	none	Score	.69
Exons	82..185		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.ol.np	Method	AAT/NAP
Start	1	End	741
GI	6682606	Score	220
Exons	1..32, 130..322, 630..741		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.ol.tm	Method	TBLASTX:Maize
Start	107	End	671
GI	none	Score	194
Exons	107..325, 138..323, 140..325, 624..671		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.ol.ts	Method	TBLASTX:Soybean
Start	152	End	671
GI	none	Score	63
Exons	152..325, 186..323, 624..671		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.ol.tc	Method	TBLASTX:Cress
Start	173	End	671
GI	none	Score	89

Exons 173..325, 179..316, 196..324, 624..671

Seq. No.	5953	Seq. ID	OJ990323_12.0103.C50
Gene No.	12575	Strand	-
Start	1	End	827
Name	OJ990323_12.0103.C50.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6006359	Score	67
Exons	1..37, 656..753		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5953	Seq. ID	OJ990323_12.0103.C50
Gene No.	12575	Strand	-
Start	1	End	827
Name	OJ990323_12.0103.C50.o1.gs	Method	GENSCAN
Start	597	End	827
GI	none	Score	.61
Exons	597..827		

Seq. No.	5954	Seq. ID	OJ990323_12.0103.C51
Gene No.	12576	Strand	+
Start	353	End	664
Name	OJ990323_12.0103.C51.o1.gs	Method	GENSCAN
Start	353	End	664
GI	none	Score	.4
Exons	353..404, 615..664		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12577	Strand	+
Start	558	End	1241
Name	OJ990323_12.0103.C52.o1.gs	Method	GENSCAN
Start	558	End	1241
GI	none	Score	.84
Exons	558..1241		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.gs	Method	GENSCAN
Start	1852	End	5835
GI	none	Score	.78
Exons	1852..2000, 2314..2462, 2611..2645, 2757..2860, 3039..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5581, 5608..5835		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.gp	Method	AAT/GAP
Start	2106	End	5473
GI	10475_1.R1084	Score	2132
Exons	2106..2645, 2757..2860, 3039..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5473		
GI Descrip.	'1438883 9.0e-93 (U43840) GmCK3p [Glycine max]'		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075

Name	OJ990323_12.0103.C52.o3.tm	Method	TBLASTX:Maize
Start	2458	End	2857
GI	none	Score	91
Exons	2458..2499, 2510..2551, 2540..2647, 2562..2654, 2755..2829, 2755..2850, 2756..2857, 2757..2855		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tw	Method	TBLASTX:Wheat
Start	2472	End	3249
GI	none	Score	49
Exons	2472..2513, 2474..2515, 2508..2528, 2509..2535, 2544..2654, 2545..2610, 2548..2655, 2549..2647, 2751..2852, 2755..2850, 2757..2855, 3040..3087, 3041..3088, 3169..3249, 3194..3244		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.ts	Method	TBLASTX:Soybean
Start	2517	End	5824
GI	none	Score	69
Exons	2517..2654, 2757..2855, 2758..2814, 3034..3087, 3190..3306, 3194..3322, 3195..3311, 3815..4012, 3817..4014, 4093..4218, 4103..4216, 5414..5572, 5418..5504, 5644..5823, 5654..5824		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.np	Method	AAT/NAP
Start	2541	End	5814
GI	6939222	Score	981
Exons	2541..2645, 2757..2856, 3038..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5575, 5622..5814		
GI Descrip.	(AC020579) putative choline kinase [Arabidopsis thaliana]		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.tc	Method	TBLASTX:Cress
Start	2553	End	3322
GI	none	Score	79
Exons	2553..2654, 2582..2647, 2754..2828, 2755..2829, 2757..2849, 3182..3322, 3192..3311		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tm	Method	TBLASTX:Maize
Start	3062	End	5515
GI	none	Score	42
Exons	3062..3088, 3064..3087, 3204..3311, 3204..3302, 3206..3325, 3815..4015, 3817..4017, 3817..4014, 3819..4016, 4091..4216, 4093..4218, 5414..5515		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-

Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tc	Method	TBLASTX:Cress
Start	5414	End	5718
GI	none	Score	97
Exons	5414..5536, 5537..5572, 5644..5718		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.tm	Method	TBLASTX:Maize
Start	5516	End	5844
GI	none	Score	95
Exons	5516..5593, 5516..5578, 5626..5796, 5627..5800, 5779..5844, 5783..5842		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.gp	Method	AAT/GAP
Start	5592	End	6075
GI	14600_1.R1084	Score	888
Exons	5592..6075		
GI Descrip.	'1438883 6.0e-11 (U43840) GmCK3p [Glycine max]'		

Seq. No.	5956	Seq. ID	OJ990323_12.0103.C53
Gene No.	12579	Strand	+
Start	6704	End	8015
Name	OJ990323_12.0103.C53.o2.gs	Method	GENSCAN
Start	6704	End	8015
GI	none	Score	.46
Exons	6704..6940, 7438..7659, 7935..8015		

Seq. No.	5957	Seq. ID	OJ990323_12.0103.C54
Gene No.	12580	Strand	-
Start	1	End	1075
Name	OJ990323_12.0103.C54.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	5852175	Score	72
Exons	1..92, 619..754, 1045..1075		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12581	Strand	+
Start	1099	End	1884
Name	OJ990323_12.0103.C55.o1.gs	Method	GENSCAN
Start	1099	End	1884
GI	none	Score	.93
Exons	1099..1294, 1330..1406, 1429..1884		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12582	Strand	+
Start	2939	End	4329
Name	OJ990323_12.0103.C55.o2.gs	Method	GENSCAN
Start	2939	End	4051
GI	none	Score	.83
Exons	2939..2944, 3234..3344, 3367..3484, 3627..4051		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12582	Strand	+
Start	2939	End	4329
Name	OJ990323_12.0103.C55.o1.np	Method	AAT/NAP
Start	3207	End	4329
GI	6539588	Score	210
Exons	3207..3513, 4191..4329		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5959	Seq. ID	OJ990323_12.0103.C57
Gene No.	12583	Strand	+
Start	432	End	599
Name	OJ990323_12.0103.C57.o1.gs	Method	GENSCAN
Start	432	End	599
GI	none	Score	.81
Exons	432..599		

Seq. No.	5960	Seq. ID	OJ990323_12.0103.C62
Gene No.	12584	Strand	-
Start	13	End	550
Name	OJ990323_12.0103.C62.o1.gs	Method	GENSCAN
Start	13	End	550
GI	none	Score	.9
Exons	13..550		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6358810	Score	128
Exons	1..69, 544..650		
GI Descrip.	(AC010675) putative alpha-amylase [Arabidopsis thaliana]		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.gs	Method	GENSCAN
Start	544	End	650
GI	none	Score	.64
Exons	544..650		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.tc	Method	TBLASTX:Cress
Start	544	End	668
GI	none	Score	163
Exons	544..657, 546..668, 546..650		

Seq. No.	5962	Seq. ID	OJ990323_12.0103.C64
Gene No.	12586	Strand	-
Start	1	End	460
Name	OJ990323_12.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6598588	Score	209
Exons	1..448		

GI Descrip. (AC006228) F5J5.14 [Arabidopsis thaliana]

Seq. No.	5962	Seq. ID	OJ990323_12.0103.C64
Gene No.	12586	Strand	-
Start	1	End	460
Name	OJ990323_12.0103.C64.o1.gs	Method	GENSCAN
Start	166	End	460
GI	none	Score	.95
Exons	166..241, 258..460		

Seq. No.	5963	Seq. ID	OJ990323_12.0103.C65
Gene No.	12587	Strand	-
Start	432	End	589
Name	OJ990323_12.0103.C65.o1.gs	Method	GENSCAN
Start	432	End	589
GI	none	Score	.42
Exons	432..589		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.np	Method	AAT/NAP
Start	1	End	463
GI	4633652	Score	188
Exons	1..463		
GI Descrip.	(AF124405) alliinase precursor [Allium cepa]		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.gs	Method	GENSCAN
Start	76	End	450
GI	none	Score	.42
Exons	76..450		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.gp	Method	AAT/GAP
Start	136	End	331
GI	97415_1.R1084	Score	369
Exons	136..331		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.tc	Method	TBLASTX:Cress
Start	139	End	438
GI	none	Score	170
Exons	139..438, 140..436		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.ts	Method	TBLASTX:Soybean

Start	241	End	436
GI	none	Score	103
Exons	241..435, 242..436		

Seq. No.	5965	Seq. ID	OJ990323_12.0103.C68
Gene No.	12589	Strand	+
Start	1	End	214
Name	OJ990323_12.0103.C68.o1.np	Method	AAT/NAP
Start	1	End	214
GI	5777617	Score	98
Exons	1..214		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.np	Method	AAT/NAP
Start	1	End	703
GI	2190016	Score	157
Exons	1..214, 630..703		
GI Descrip.	(AB004269) alliinase [Allium tuberosum]		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.gs	Method	GENSCAN
Start	27	End	370
GI	none	Score	.99
Exons	27..370		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.tm	Method	TBLASTX:Maize
Start	27	End	362
GI	none	Score	163
Exons	27..149, 27..131, 29..148, 134..268, 188..217, 248..361, 258..362		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.np	Method	AAT/NAP
Start	1	End	587
GI	4416302	Score	607
Exons	1..587		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.tm	Method	TBLASTX:Maize
Start	1	End	577
GI	none	Score	619
Exons	1..555, 2..577, 371..571		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
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Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.ts	Method	TBLASTX:Soybean
Start	2	End	580
GI	none	Score	226
Exons	2..337, 52..294, 356..580, 370..462, 517..540		
Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.tw	Method	TBLASTX:Wheat
Start	86	End	541
GI	none	Score	111
Exons	86..346, 365..541, 368..541		
Seq. No.	5968	Seq. ID	OJ990323_12.0103.C71
Gene No.	12592	Strand	+
Start	80	End	528
Name	OJ990323_12.0103.C71.o1.gs	Method	GENSCAN
Start	80	End	528
GI	none	Score	.72
Exons	80..153, 307..528		
Seq. No.	5969	Seq. ID	OJ990323_12.0103.C73
Gene No.	12593	Strand	+
Start	1	End	552
Name	OJ990323_12.0103.C73.o1.np	Method	AAT/NAP
Start	1	End	552
GI	81286	Score	164
Exons	1..552		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		
Seq. No.	5969	Seq. ID	OJ990323_12.0103.C73
Gene No.	12593	Strand	+
Start	1	End	552
Name	OJ990323_12.0103.C73.o1.gs	Method	GENSCAN
Start	265	End	399
GI	none	Score	.42
Exons	265..399		
Seq. No.	5970	Seq. ID	OJ990323_12.0103.C74
Gene No.	12594	Strand	+
Start	283	End	704
Name	OJ990323_12.0103.C74.o1.gs	Method	GENSCAN
Start	283	End	704
GI	none	Score	.55
Exons	283..704		
Seq. No.	5971	Seq. ID	OJ990323_12.0103.C78
Gene No.	12595	Strand	-
Start	85	End	352
Name	OJ990323_12.0103.C78.o1.gs	Method	GENSCAN
Start	85	End	352
GI	none	Score	.82
Exons	85..352		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12596	Strand	+
Start	181	End	635
Name	OJ990323_12.0103.C79.ol.gs	Method	GENSCAN
Start	181	End	409
GI	none	Score	.94
Exons	181..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12596	Strand	+
Start	181	End	635
Name	OJ990323_12.0103.C79.ol.np	Method	AAT/NAP
Start	181	End	635
GI	1705678	Score	312
Exons	181..409, 603..635		
GI Descrip.	CELL DIVISION CYCLE PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP) gi 862480 (U20213) valosin-containing protein [Glycine max]		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.ol.tc	Method	TBLASTX:Cress
Start	178	End	410
GI	none	Score	380
Exons	178..408, 180..407, 234..410, 293..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.ol.tw	Method	TBLASTX:Wheat
Start	178	End	423
GI	none	Score	271
Exons	178..369, 178..423		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.ol.tm	Method	TBLASTX:Maize
Start	178	End	410
GI	none	Score	382
Exons	178..408, 180..407, 234..410		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.ol.ts	Method	TBLASTX:Soybean
Start	178	End	410
GI	none	Score	381
Exons	178..408, 180..407, 231..410, 287..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.ol.gp	Method	AAT/GAP
Start	179	End	383
GI	24991_1.R1084	Score	390

Exons 179..383
 GI Descrip. '1705678/sp|P54774|CC48_SOYBN 7.0e-61 CELL DIVISION CYCLE
 PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP)
 >gi_862480 (U20213) valosin-containing protein [Glycine max]'

Seq. No. 5973 Seq. ID OJ990323_12.0103.C80
 Gene No. 12598 Strand +
 Start 3 End 145
 Name OJ990323_12.0103.C80.ol.tm Method TBLASTX:Maize
 Start 3 End 145
 GI none Score 109
 Exons 3..80, 3..95, 65..145, 74..142, 75..143, 76..144

Seq. No. 5974 Seq. ID OJ990323_12.0103.C82
 Gene No. 12599 Strand +
 Start 222 End 544
 Name OJ990323_12.0103.C82.ol.tm Method TBLASTX:Maize
 Start 193 End 490
 GI none Score 151
 Exons 193..312, 200..316, 209..316, 226..318, 396..488, 398..487,
 400..489, 431..490

Seq. No. 5974 Seq. ID OJ990323_12.0103.C82
 Gene No. 12599 Strand +
 Start 222 End 544
 Name OJ990323_12.0103.C82.ol.tc Method TBLASTX:Cress
 Start 221 End 490
 GI none Score 127
 Exons 221..316, 224..322, 225..323, 398..487, 400..489, 431..490

Seq. No. 5974 Seq. ID OJ990323_12.0103.C82
 Gene No. 12599 Strand +
 Start 222 End 544
 Name OJ990323_12.0103.C82.ol.ts Method TBLASTX:Soybean
 Start 221 End 496
 GI none Score 118
 Exons 221..316, 225..326, 226..306, 395..487, 397..489, 431..496

Seq. No. 5974 Seq. ID OJ990323_12.0103.C82
 Gene No. 12599 Strand +
 Start 222 End 544
 Name OJ990323_12.0103.C82.ol.gp Method AAT/GAP
 Start 222 End 487
 GI 148_1.R1084 Score 291
 Exons 222..316, 401..487
 GI Descrip. '5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza
 sativa]'

Seq. No. 5974 Seq. ID OJ990323_12.0103.C82
 Gene No. 12599 Strand +
 Start 222 End 544
 Name OJ990323_12.0103.C82.ol.np Method AAT/NAP
 Start 222 End 523
 GI 5931625 Score 220
 Exons 222..316, 401..523
 GI Descrip. (AB032761) rab5B [Oryza sativa]

Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.gs	Method	GENSCAN
Start	227	End	544
GI	none	Score	.57
Exons	227..316, 401..544		
Seq. No.	5975	Seq. ID	OJ990323_12.0103.C83
Gene No.	12600	Strand	-
Start	1	End	614
Name	OJ990323_12.0103.C83.o1.np	Method	AAT/NAP
Start	1	End	614
GI	6815062	Score	203
Exons	1..123, 238..614		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]		
Seq. No.	5975	Seq. ID	OJ990323_12.0103.C83
Gene No.	12600	Strand	-
Start	1	End	614
Name	OJ990323_12.0103.C83.o1.tw	Method	TBLASTX:Wheat
Start	238	End	612
GI	none	Score	66
Exons	238..435, 315..398, 334..423, 380..427, 448..612, 476..601		
Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5931625	Score	330
Exons	1..80, 176..275, 394..477, 574..672		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		
Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.tc	Method	TBLASTX:Cress
Start	174	End	529
GI	none	Score	138
Exons	174..278, 178..276, 370..465, 373..465, 389..529		
Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.tm	Method	TBLASTX:Maize
Start	177	End	652
GI	none	Score	154
Exons	177..278, 178..276, 369..479, 370..465, 371..529, 384..479, 575..595, 604..651, 605..652		
Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.ts	Method	TBLASTX:Soybean

Start	177	End	497
GI	none	Score	126
Exons	177..278, 178..276, 370..465, 371..490, 405..497		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.gp	Method	AAT/GAP
Start	178	End	683
GI	148_1.R1084	Score	437
Exons	178..275, 394..477, 574..683		
GI Descrip.	'5931625/dbj BAA84717.1 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.gs	Method	GENSCAN
Start	181	End	477
GI	none	Score	.97
Exons	181..275, 394..477		

Seq. No.	5977	Seq. ID	OJ990323_12.0103.C85
Gene No.	12602	Strand	-
Start	550	End	705
Name	OJ990323_12.0103.C85.o1.gs	Method	GENSCAN
Start	550	End	705
GI	none	Score	.98
Exons	550..705		

Seq. No.	5978	Seq. ID	OJ990323_12.0103.C86
Gene No.	12603	Strand	-
Start	447	End	635
Name	OJ990323_12.0103.C86.o1.gp	Method	AAT/GAP
Start	447	End	635
GI	5004678	Score	311
Exons	447..635		

Seq. No.	5979	Seq. ID	OJ990323_12.0103.C88
Gene No.	12604	Strand	-
Start	555	End	718
Name	OJ990323_12.0103.C88.o1.np	Method	AAT/NAP
Start	555	End	718
GI	6815099	Score	103
Exons	555..718		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5980	Seq. ID	OJ990323_12.0103.C89
Gene No.	12605	Strand	-
Start	64	End	244
Name	OJ990323_12.0103.C89.o1.gs	Method	GENSCAN
Start	64	End	244
GI	none	Score	.96
Exons	64..244		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+

Start	1	End	967
Name	OJ990323_12.0103.C91.ol.np	Method	AAT/NAP
Start	1	End	967
GI	3426064	Score	68
Exons	1..23, 145..322, 936..967		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+
Start	1	End	967
Name	OJ990323_12.0103.C91.ol.tm	Method	TBLASTX:Maize
Start	142	End	280
GI	none	Score	177
Exons	142..264, 143..280		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+
Start	1	End	967
Name	OJ990323_12.0103.C91.ol.tw	Method	TBLASTX:Wheat
Start	142	End	280
GI	none	Score	172
Exons	142..267, 143..280		

Seq. No.	5982	Seq. ID	OJ990323_12.0103.C97
Gene No.	12607	Strand	-
Start	181	End	429
Name	OJ990323_12.0103.C97.ol.gs	Method	GENSCAN
Start	181	End	429
GI	none	Score	.55
Exons	181..429		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.ol.np	Method	AAT/NAP
Start	1	End	226
GI	3426062	Score	98
Exons	1..226		
GI Descrip.	(AJ007587) monooxygenase [Arabidopsis thaliana]		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.ol.tw	Method	TBLASTX:Wheat
Start	58	End	225
GI	none	Score	92
Exons	58..225, 59..163, 67..174		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.ol.gs	Method	GENSCAN
Start	61	End	179
GI	none	Score	.52
Exons	61..179		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12609	Strand	+
Start	107	End	267
Name	OJ990323_12.0103.C101.ol.gp	Method	AAT/GAP
Start	107	End	267
GI	2311558	Score	273
Exons	107..267		
GI Descrip.	4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12610	Strand	-
Start	102	End	378
Name	OJ990323_12.0103.C101.ol.np	Method	AAT/NAP
Start	102	End	378
GI	2829903	Score	129
Exons	102..378		
GI Descrip.	(AC002311) unknown protein [Arabidopsis thaliana]		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12610	Strand	-
Start	102	End	378
Name	OJ990323_12.0103.C101.ol.gs	Method	GENSCAN
Start	108	End	170
GI	none	Score	.62
Exons	108..170		

Seq. No.	5985	Seq. ID	OJ990323_12.0103.C104
Gene No.	12611	Strand	+
Start	1	End	538
Name	OJ990323_12.0103.C104.ol.np	Method	AAT/NAP
Start	1	End	538
GI	6539588	Score	160
Exons	1..302, 483..538		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5985	Seq. ID	OJ990323_12.0103.C104
Gene No.	12611	Strand	+
Start	1	End	538
Name	OJ990323_12.0103.C104.ol.gs	Method	GENSCAN
Start	110	End	298
GI	none	Score	.73
Exons	110..298		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.ol.np	Method	AAT/NAP
Start	1	End	699
GI	6598588	Score	320
Exons	1..470, 522..699		
GI Descrip.	(AC006228) F5J5.14 [Arabidopsis thaliana]		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699

Name	OJ990323_12.0103.C106.o1.tw	Method	TBLASTX:Wheat
Start	20	End	433
GI	none	Score	235
Exons	20..376, 38..433		
Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.o1.tc	Method	TBLASTX:Cress
Start	29	End	319
GI	none	Score	183
Exons	29..319, 91..243		
Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.o1.tm	Method	TBLASTX:Maize
Start	158	End	549
GI	none	Score	200
Exons	158..361, 163..357, 373..432, 374..484, 464..547, 481..549		
Seq. No.	5987	Seq. ID	OJ990323_12.0103.C109
Gene No.	12613	Strand	+
Start	226	End	305
Name	OJ990323_12.0103.C109.o1.gs	Method	GENSCAN
Start	226	End	305
GI	none	Score	.8
Exons	226..305		
Seq. No.	5988	Seq. ID	OJ990323_12.0103.C111
Gene No.	12614	Strand	-
Start	40	End	220
Name	OJ990323_12.0103.C111.o1.gs	Method	GENSCAN
Start	40	End	220
GI	none	Score	.58
Exons	40..220		
Seq. No.	5989	Seq. ID	OJ990323_12.0103.C112
Gene No.	12615	Strand	-
Start	1	End	811
Name	OJ990323_12.0103.C112.o1.gp	Method	AAT/GAP
Start	1	End	811
GI	148 1.R1084	Score	232
Exons	1..23, 687..811		
GI Descrip.	'5931625/dbj BAA84717.1 1.0e-106 (AB032761) rab5B [Oryza sativa]'		
Seq. No.	5990	Seq. ID	OJ990323_12.0103.C113
Gene No.	12616	Strand	+
Start	332	End	461
Name	OJ990323_12.0103.C113.o1.gs	Method	GENSCAN
Start	332	End	461
GI	none	Score	.87
Exons	332..364, 369..461		
Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-

Start	39	End	641
Name	OJ990323_12.0103.C114.o1.gs	Method	GENSCAN
Start	39	End	592
GI	none	Score	.96
Exons	39..592		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.np	Method	AAT/NAP
Start	54	End	641
GI	3426064	Score	362
Exons	54..641		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.ts	Method	TBLASTX:Soybean
Start	57	End	498
GI	none	Score	117
Exons	57..170, 264..497, 316..498		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.tc	Method	TBLASTX:Cress
Start	60	End	621
GI	none	Score	109
Exons	60..269, 261..527, 319..453, 547..621		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.tm	Method	TBLASTX:Maize
Start	60	End	462
GI	none	Score	72
Exons	60..257, 61..198, 63..257, 291..380, 303..329, 333..458, 334..462		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.gp	Method	AAT/GAP
Start	131	End	487
GI	71705_1.R1084	Score	673
Exons	131..487		
GI Descrip.	'3426064/emb CAA07575.1 1.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase.2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	5992	Seq. ID	OJ990323_12.0103.C116
Gene No.	12618	Strand	+
Start	1	End	758
Name	OJ990323_12.0103.C116.o1.np	Method	AAT/NAP

Start	1	End	758
GI	4678345	Score	102
Exons	1..15, 203..356, 719..758		
GI Descrip.	(AL049659) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5993	Seq. ID	OJ990323_12.0103.C117
Gene No.	12619	Strand	+
Start	575	End	642
Name	OJ990323_12.0103.C117.ol.gs	Method	GENSCAN
Start	575	End	642
GI	none	Score	.79
Exons	575..642		

Seq. No.	5993	Seq. ID	OJ990323_12.0103.C117
Gene No.	12620	Strand	-
Start	574	End	644
Name	OJ990323_12.0103.C117.ol.gp	Method	AAT/GAP
Start	574	End	644
GI	2769_1.R1084	Score	97
Exons	574..644		
GI Descrip.	'1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]'		

Seq. No.	5994	Seq. ID	OJ990323_12.0103.C118
Gene No.	12621	Strand	-
Start	1	End	542
Name	OJ990323_12.0103.C118.ol.np	Method	AAT/NAP
Start	1	End	542
GI	6358810	Score	78
Exons	1..40, 409..542		
GI Descrip.	(AC010675) putative alpha-amylase [Arabidopsis thaliana]		

Seq. No.	5995	Seq. ID	OJ990323_12.0103.C121
Gene No.	12622	Strand	-
Start	41	End	623
Name	OJ990323_12.0103.C121.ol.gs	Method	GENSCAN
Start	41	End	623
GI	none	Score	.97
Exons	41..332, 379..623		

Seq. No.	5996	Seq. ID	OJ990323_12.0103.C123
Gene No.	12623	Strand	-
Start	374	End	724
Name	OJ990323_12.0103.C123.ol.gs	Method	GENSCAN
Start	374	End	724
GI	none	Score	.42
Exons	374..501, 606..724		

Seq. No.	5997	Seq. ID	OJ990323_12.0103.C124
Gene No.	12624	Strand	+
Start	193	End	388
Name	OJ990323_12.0103.C124.ol.gs	Method	GENSCAN
Start	193	End	388
GI	none	Score	.49
Exons	193..388		

Seq. No.	5997	Seq. ID	OJ990323_12.0103.C124
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Gene No.	12625	Strand	+
Start	804	End	987
Name	OJ990323_12.0103.C124.o1.gp	Method	AAT/GAP
Start	804	End	987
GI	none	Score	276
Exons	804..987		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.gp	Method	AAT/GAP
Start	58	End	1329
GI	72477_1.R1084	Score	1126
Exons	58..435, 983..1125, 1216..1329		
GI Descrip.	'4204695 2.0e-38 (AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]'		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.gs	Method	GENSCAN
Start	213	End	7058
GI	none	Score	.49
Exons	213..435, 983..1125, 1216..1324, 1852..2036, 2380..3148, 3257..3361, 3914..4148, 5024..5369, 5696..5842, 6071..6245, 6272..6397, 7021..7058		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.np	Method	AAT/NAP
Start	237	End	3638
GI	6682606	Score	1237
Exons	237..435, 983..1125, 1216..1324, 1852..2036, 2344..3148, 3257..3361, 3592..3638		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.ts	Method	TBLASTX:Soybean
Start	258	End	447
GI	none	Score	165
Exons	258..434, 271..447, 280..435		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.tc	Method	TBLASTX:Cress
Start	264	End	5366
GI	none	Score	124
Exons	264..434, 280..435, 311..445, 501..614, 967..1119, 977..1144, 1213..1323, 1214..1324, 1887..2039, 1893..2030, 1910..2038, 2338..2517, 2344..2484, 2605..2697, 2983..3144, 2984..3142, 2987..3145, 3256..3363, 3258..3359, 3259..3360, 3591..3647, 5310..5366		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.tm	Method	TBLASTX:Maize
Start	363	End	1312
GI	none	Score	76
Exons	363..434, 364..435, 977..1162, 978..1109, 982..1122, 1210..1311, 1211..1312		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o4.ts	Method	TBLASTX:Soybean
Start	994	End	1323
GI	none	Score	127
Exons	994..1119, 1001..1126, 1213..1323		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.tm	Method	TBLASTX:Maize
Start	1821	End	2542
GI	none	Score	227
Exons	1821..2039, 1854..2039, 2338..2541, 2340..2534, 2344..2538, 2381..2542		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o3.ts	Method	TBLASTX:Soybean
Start	1965	End	2607
GI	none	Score	64
Exons	1965..2039, 1966..2037, 2338..2607, 2344..2475, 2381..2497		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.gp	Method	AAT/GAP
Start	2602	End	2942
GI	none	Score	652
Exons	2602..2942		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o3.tm	Method	TBLASTX:Maize
Start	2980	End	3668
GI	none	Score	121
Exons	2980..3147, 2981..3142, 3256..3282, 3292..3363, 3591..3647, 3642..3668		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.ts	Method	TBLASTX:Soybean
Start	2990	End	3363

GI	none	Score	62
Exons	2990..3121, 2991..3110, 2992..3117, 2992..3129, 2993..3121, 3124..3144, 3256..3363, 3258..3350, 3259..3351		

Seq. No.	5999	Seq. ID	OJ990323_12.0103.C126
Gene No.	12627	Strand	-
Start	1637	End	2576
Name	OJ990323_12.0103.C126.o1.gs	Method	GENSCAN
Start	1637	End	2576
GI	none	Score	.51
Exons	1637..2016, 2423..2576		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12628	Strand	+
Start	203	End	1012
Name	OJ990323_12.0103.C127.o1.gs	Method	GENSCAN
Start	203	End	1012
GI	none	Score	.82
Exons	203..288, 326..1012		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12628	Strand	+
Start	203	End	1012
Name	OJ990323_12.0103.C127.o1.np	Method	AAT/NAP
Start	217	End	824
GI	5262765	Score	223
Exons	217..824		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12629	Strand	+
Start	1828	End	2084
Name	OJ990323_12.0103.C127.o1.gp	Method	AAT/GAP
Start	1828	End	2084
GI	LIB3431-010-P1-N1-F11	Score	490
Exons	1828..2084		
GI Descrip.	'287403/dbj D10838 RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.gs	Method	GENSCAN
Start	2193	End	4603
GI	none	Score	.61
Exons	2193..2834, 2957..3162, 4435..4603		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.np	Method	AAT/NAP
Start	2205	End	3106
GI	3892708	Score	595
Exons	2205..2834, 2957..3106		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
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Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.gp	Method	AAT/GAP
Start	2210	End	2655
GI	LIB3433-026-P1-K1-F6	Score	844
Exons	2210..2655		
GI Descrip.	'3892708/emb CAA22158.1 2.0e-26 (AL033545) putative protein [Arabidopsis thaliana]'		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	3106
GI	none	Score	103
Exons	2313..2510, 2571..2834, 2584..2814, 2948..3106		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.tm	Method	TBLASTX:Maize
Start	2409	End	3128
GI	none	Score	486
Exons	2409..2831, 2409..2840, 2434..2835, 2951..3109, 2958..3113, 3027..3128		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.tc	Method	TBLASTX:Cress
Start	2568	End	3050
GI	none	Score	66
Exons	2568..2750, 2568..2834, 2575..2832, 2951..3049, 2955..3050		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o3.gp	Method	AAT/GAP
Start	2673	End	3177
GI	LIB3431-010-P1-K1-F10	Score	664
Exons	2673..2834, 2957..3177		
GI Descrip.	'3892708/emb CAA22158.1 6.0e-27 (AL033545) putative protein [Arabidopsis thaliana]'		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o3.np	Method	AAT/NAP
Start	4415	End	4747
GI	4417279	Score	278
Exons	4415..4747		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o2.gs	Method	GENSCAN

Start	7159	End	17333
GI	none	Score	.66
Exons	7159..7618, 8195..8347, 8462..8589, 10440..10594, 11008..11282, 11297..11387, 11911..12039, 12404..12660, 13239..13279, 13309..13507, 13956..14143, 14511..14714, 16012..16071, 16244..17333		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o3.np	Method	AAT/NAP
Start	12348	End	17432
GI	5882749	Score	402
Exons	12348..12374, 14025..14143, 14511..14724, 16014..16071, 16244..16883, 16995..17432		
GI Descrip.	(AC008263) Contains 2 PF 00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o1.gp	Method	AAT/GAP
Start	13116	End	16341
GI	22827_1.R1084	Score	1615
Exons	13116..13279, 13380..13507, 13898..14143, 14511..14714, 16012..16071, 16244..16341		
GI Descrip.	'5882749/gb AAD55302.1 AC008263_33 7.0e-27 (AC008263) Contains 2 PF_00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]'		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o2.gp	Method	AAT/GAP
Start	16601	End	17154
GI	none	Score	1108
Exons	16601..17154		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12632	Strand	-
Start	138	End	2853
Name	OJ990323_12.0103.C128.o1.gs	Method	GENSCAN
Start	138	End	2853
GI	none	Score	.56
Exons	138..1436, 2483..2785, 2818..2853		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12632	Strand	-
Start	138	End	2853
Name	OJ990323_12.0103.C128.o1.np	Method	AAT/NAP
Start	138	End	2779
GI	4417279	Score	1559
Exons	138..1166, 1212..1436, 2483..2779		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-

Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.tm	Method	TBLASTX:Maize
Start	597	End	816
GI	none	Score	192
Exons	597..788, 602..787, 602..790, 790..816		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1139
GI	none	Score	145
Exons	921..1127, 921..1139, 922..1137		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.ts	Method	TBLASTX:Soybean
Start	1212	End	2710
GI	none	Score	37
Exons	1212..1364, 1374..1436, 2483..2563, 2669..2710		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.np	Method	AAT/NAP
Start	3385	End	3469
GI	6721547	Score	79
Exons	3385..3469		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12634	Strand	-
Start	7325	End	7590
Name	OJ990323_12.0103.C128.o3.tm	Method	TBLASTX:Maize
Start	7325	End	7590
GI	none	Score	194
Exons	7325..7471, 7360..7470, 7534..7590		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12635	Strand	-
Start	13337	End	17378
Name	OJ990323_12.0103.C128.o1.tm	Method	TBLASTX:Maize
Start	13337	End	17337
GI	none	Score	80
Exons	13337..13462, 13378..13500, 13922..13978, 14024..14143, 14043..14144, 14044..14145, 14510..14698, 14511..14711, 16003..16074, 16014..16073, 16232..16489, 16236..16463, 16237..16527, 16243..16473, 16268..16495, 16409..16561, 16504..16734, 16505..16648, 16531..16734, 16538..16738, 16539..16745, 16539..16739, 16654..16770, 16668..16760, 16673..16762, 16674..16757, 16747..16818, 16760..16816, 16766..16828, 16836..16907, 16845..16952, 16893..16937, 16904..17038, 16906..17037, 17031..17336, 17045..17335, 17052..17336, 17053..17337, 17053..17337		
Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128

Gene No.	12635	Strand	
Start	13337	End	17378
Name	OJ990323_12.0103.C128.o1.tw	Method	TBLASTX:Wheat
Start	16961	End	17378
GI	none	Score	78
Exons	16961..17110, 16961..17050, 16969..17184, 17045..17185, 17070..17186, 17072..17227, 17199..17282, 17200..17283, 17201..17278, 17205..17285, 17270..17377, 17280..17378, 17281..17373		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6539269	Score	94
Exons	1..320		
GI Descrip.	(AC011765) unknown protein [Arabidopsis thaliana]		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.tw	Method	TBLASTX:Wheat
Start	2	End	266
GI	none	Score	49
Exons	2..115, 41..73, 87..170, 88..171, 89..166, 93..173, 158..265, 168..266, 169..261		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.tm	Method	TBLASTX:Maize
Start	5	End	226
GI	none	Score	229
Exons	5..223, 41..226, 49..225		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.gs	Method	GENSCAN
Start	98	End	221
GI	none	Score	.96
Exons	98..221		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.o1.np	Method	AAT/NAP
Start	1	End	701
GI	4582435	Score	515
Exons	1..701		
GI Descrip.	(AC007196) putative selenium-binding protein [Arabidopsis thaliana]		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701

Name	OJ990323_12.0103.C131.ol.tm	Method	TBLASTX:Maize
Start	2	End	643
GI	none	Score	372
Exons	2..643, 5..193, 7..363		
Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.ol.tw	Method	TBLASTX:Wheat
Start	2	End	358
GI	none	Score	254
Exons	2..286, 4..288, 290..358		
Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.ol.tc	Method	TBLASTX:Cress
Start	22	End	391
GI	none	Score	288
Exons	22..381, 23..391		
Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.ol.ts	Method	TBLASTX:Soybean
Start	146	End	649
GI	none	Score	332
Exons	146..649, 166..585		
Seq. No.	6004	Seq. ID	OJ990323_12.0103.C133
Gene No.	12638	Strand	+
Start	1	End	938
Name	OJ990323_12.0103.C133.ol.np	Method	AAT/NAP
Start	1	End	938
GI	5852093	Score	53
Exons	1..55, 748..938		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	6005	Seq. ID	OJ990323_12.0103.C134
Gene No.	12639	Strand	+
Start	1	End	1490
Name	OJ990323_12.0103.C134.ol.np	Method	AAT/NAP
Start	1	End	518
GI	5852093	Score	48
Exons	1..98, 387..518		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	6005	Seq. ID	OJ990323_12.0103.C134
Gene No.	12639	Strand	+
Start	1	End	1490
Name	OJ990323_12.0103.C134.ol.gs	Method	GENSCAN
Start	374	End	1490
GI	none	Score	.54
Exons	374..493, 716..799, 854..985, 1272..1490		
Seq. No.	6006	Seq. ID	OJ990323_12.0103.C136
Gene No.	12640	Strand	-

Start	684	End	774
Name	OJ990323_12.0103.C136.o1.gs	Method	GENSCAN
Start	684	End	774
GI	none	Score	.79
Exons	684..774		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o2.np	Method	AAT/NAP
Start	270	End	3238
GI	1931639	Score	155
Exons	270..345, 1563..1958, 3218..3238		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o1.gs	Method	GENSCAN
Start	691	End	3892
GI	none	Score	.74
Exons	691..784, 1022..1154, 1177..1299, 1466..1498, 1639..1752, 1770..1889, 2658..2802, 3635..3892		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o1.np	Method	AAT/NAP
Start	995	End	1312
GI	6539588	Score	214
Exons	995..1312		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.gp	Method	AAT/GAP
Start	45	End	1390
GI	LIB3431-058-P1-K1-D2	Score	898
Exons	45..405, 1261..1390		
GI Descrip.	'15961/emb CAA78267 3.0e-22 (Z12621) precursor alliinase [Allium cepa]'		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.gs	Method	GENSCAN
Start	62	End	2688
GI	none	Score	.92
Exons	62..405, 1261..1561, 1658..2345, 2459..2688		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.np	Method	AAT/NAP
Start	223	End	3271
GI	4633652	Score	890

Exons 223..398, 1254..1561, 1658..1953, 2059..2345, 2459..2654, 3217..3271

GI Descrip. (AF124405) alliinase precursor [Allium cepa]

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o2.gp	Method	AAT/GAP
Start	1415	End	2082
GI	97415_1.R1084	Score	702
Exons	1415..1561, 1658..1953, 2059..2082		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o3.gp	Method	AAT/GAP
Start	2273	End	2995
GI	4457_1.R1084	Score	1189
Exons	2273..2345, 2459..2995		
GI Descrip.	'4633652/gb AAD26853.1 AF124405_1 5.0e-23 (AF124405) alliinase precursor [Allium cepa]'		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o3.tm	Method	TBLASTX:Maize
Start	100	End	397
GI	none	Score	60
Exons	100..174, 101..175, 113..295, 209..298, 283..396, 299..397		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tc	Method	TBLASTX:Cress
Start	221	End	1726
GI	none	Score	72
Exons	221..325, 323..397, 1259..1564, 1261..1554, 1658..1726		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.ts	Method	TBLASTX:Soybean
Start	1261	End	1456
GI	none	Score	200
Exons	1261..1455, 1262..1456		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tm	Method	TBLASTX:Maize
Start	1430	End	2601
GI	none	Score	77
Exons	1430..1504, 1433..1489, 1762..1836, 1763..1861, 1829..1957, 1834..1983, 2059..2343, 2060..2344, 2060..2344, 2452..2601, 2458..2601		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tw	Method	TBLASTX:Wheat
Start	2104	End	2631
GI	none	Score	317
Exons	2104..2343, 2105..2344, 2114..2350, 2452..2631, 2539..2628, 2541..2630		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.tc	Method	TBLASTX:Cress
Start	3956	End	4368
GI	none	Score	82
Exons	3956..4024, 4024..4068, 4070..4216, 4071..4217, 4279..4368, 4280..4360		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.ts	Method	TBLASTX:Soybean
Start	3959	End	4359
GI	none	Score	36
Exons	3959..4021, 4029..4070, 4030..4068, 4070..4150, 4077..4145, 4225..4359		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.gs	Method	GENSCAN
Start	3959	End	5804
GI	none	Score	.71
Exons	3959..4651, 5736..5804		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.np	Method	AAT/NAP
Start	3962	End	4412
GI	5031281	Score	217
Exons	3962..4412		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.tm	Method	TBLASTX:Maize
Start	3971	End	4360
GI	none	Score	36
Exons	3971..4024, 4008..4049, 4024..4068, 4070..4147, 4071..4148, 4240..4359, 4292..4360		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12644	Strand	+
Start	5602	End	11280

Name	OJ990323_12.0103.C139.o2.gs	Method	GENSCAN
Start	5602	End	11280
GI	none	Score	.55
Exons	5602..5763, 5958..6175, 8213..8618, 11266..11280		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12645	Strand	+
Start	11574	End	15403
Name	OJ990323_12.0103.C139.o2.np	Method	AAT/NAP
Start	11574	End	15403
GI	2190016	Score	243
Exons	11574..11645, 12726..12928, 15207..15403		
GI Descrip.	(AB004269) alliinase [<i>Allium tuberosum</i>]		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12645	Strand	+
Start	11574	End	15403
Name	OJ990323_12.0103.C139.o3.gs	Method	GENSCAN
Start	12585	End	14573
GI	none	Score	.87
Exons	12585..12928, 12958..12995, 13769..13830, 14466..14573		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12646	Strand	-
Start	292	End	4593
Name	OJ990323_12.0103.C139.o1.np	Method	AAT/NAP
Start	286	End	4554
GI	5734736	Score	2819
Exons	286..2022, 2176..3577, 3641..3935, 3978..4554		
GI Descrip.	(AC007259) Hypothetical protein [<i>Arabidopsis thaliana</i>]		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12646	Strand	-
Start	292	End	4593
Name	OJ990323_12.0103.C139.o1.gs	Method	GENSCAN
Start	292	End	4593
GI	none	Score	.98
Exons	292..4593		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12647	Strand	-
Start	5716	End	5883
Name	OJ990323_12.0103.C139.o2.gp	Method	AAT/GAP
Start	5716	End	5883
GI	53818.1.R1084	Score	218
Exons	5716..5883		
GI Descrip.	'4587518/gb AAD25749.1 AC007060.7 7.0e-20 (AC007060) Strong similarity to F19I3.8 gi_3033381 putative UDP-galactose-4-epimerase from <i>Arabidopsis thaliana</i> BAC gb_AC004238 and is a member of PF_01370 the NAD dependent epimerase/dehydratase family. EST gb_AA59'		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12648	Strand	-
Start	12190	End	12289
Name	OJ990323_12.0103.C139.o3.gp	Method	AAT/GAP
Start	12190	End	12289

GI LIB3477-003-P1-K1-E9 Score 104
 Exons 12190..12289
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o1.ts Method TBLASTX:Soybean
 Start 310 End 960
 GI none Score 76
 Exons 310..777, 371..499, 794..931, 799..960

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o1.tc Method TBLASTX:Cress
 Start 319 End 982
 GI none Score 82
 Exons 319..570, 371..526, 376..528, 568..684, 688..981, 713..982

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o3.tw Method TBLASTX:Wheat
 Start 349 End 792
 GI none Score 78
 Exons 349..543, 350..526, 565..792

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o1.tm Method TBLASTX:Maize
 Start 568 End 1020
 GI none Score 78
 Exons 568..1020, 589..768, 635..985

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o6.tm Method TBLASTX:Maize
 Start 1024 End 1287
 GI none Score 125
 Exons 1024..1287, 1025..1285, 1045..1287

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318
 Name OJ990323_12.0103.C139.o2.tw Method TBLASTX:Wheat
 Start 1114 End 1669
 GI none Score 139
 Exons 1114..1338, 1321..1668, 1324..1668, 1583..1669

Seq. No. 6009 Seq. ID OJ990323_12.0103.C139
 Gene No. 12649 Strand -
 Start 15120 End 15318

Name	OJ990323_12.0103.C139.o3.ts	Method	TBLASTX:Soybean
Start	1333	End	1821
GI	5509260	Score	83
Exons	1333..1821, 1361..1498, 1583..1756		
GI Descrip.	-		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o3.tc	Method	TBLASTX:Cress
Start	1450	End	1714
GI	none	Score	89
Exons	1450..1713, 1583..1714		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o3.tm	Method	TBLASTX:Maize
Start	1489	End	1803
GI	none	Score	155
Exons	1489..1803, 1504..1785		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.ts	Method	TBLASTX:Soybean
Start	2233	End	2709
GI	none	Score	177
Exons	2233..2709, 2408..2701		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.tc	Method	TBLASTX:Cress
Start	2245	End	2694
GI	none	Score	46
Exons	2245..2694, 2248..2382, 2411..2584, 2609..2692		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.tm	Method	TBLASTX:Maize
Start	2311	End	2736
GI	none	Score	198
Exons	2311..2382, 2395..2736, 2405..2728		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o1.tw	Method	TBLASTX:Wheat
Start	2383	End	2928
GI	none	Score	99
Exons	2383..2478, 2482..2928, 2489..2728		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318

Name	OJ990323_12.0103.C139.o4.ts	Method	TBLASTX:Soybean
Start	2749	End	3078
GI	none	Score	209
Exons	2749..3078		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tw	Method	TBLASTX:Wheat
Start	3016	End	3472
GI	none	Score	107
Exons	3016..3102, 3103..3210, 3226..3471, 3269..3472		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o7.tm	Method	TBLASTX:Maize
Start	3082	End	3493
GI	none	Score	107
Exons	3082..3213, 3274..3492, 3317..3493		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tm	Method	TBLASTX:Maize
Start	3908	End	4299
GI	none	Score	36
Exons	3908..3976, 3910..3993, 3973..4083, 4025..4084, 4096..4299, 4100..4294		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o5.tw	Method	TBLASTX:Wheat
Start	4024	End	4437
GI	none	Score	108
Exons	4024..4419, 4081..4437		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tc	Method	TBLASTX:Cress
Start	4138	End	4428
GI	none	Score	77
Exons	4138..4428, 4214..4366		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o8.tm	Method	TBLASTX:Maize
Start	4313	End	4602
GI	none	Score	86
Exons	4313..4525, 4315..4545, 4567..4602		
Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318

Name	OJ990323_12.0103.C139.o5.tm	Method	TBLASTX:Maize
Start	12593	End	12928
GI	none	Score	93
Exons	12593..12697, 12594..12707, 12687..12821, 12738..12767, 12806..12928, 12807..12926, 12824..12928		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.gs	Method	GENSCAN
Start	15120	End	15318
GI	none	Score	.76
Exons	15120..15233, 15235..15318		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	166341	Score	691
Exons	1..247, 367..659, 765..1051, 1153..1408		
GI Descrip.	(M98267) alliinase [Allium cepa] gi 1044969 (L48614) allinase [Allium cepa]		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tc	Method	TBLASTX:Cress
Start	1	End	244
GI	none	Score	209
Exons	1..243, 2..244		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.gp	Method	AAT/GAP
Start	52	End	844
GI	97415 1.R1084	Score	1044
Exons	52..247, 367..659, 765..844		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.gs	Method	GENSCAN
Start	68	End	1476
GI	none	Score	.81
Exons	68..247, 367..659, 765..1051, 1153..1378, 1420..1476		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tm	Method	TBLASTX:Maize
Start	116	End	1295
GI	none	Score	97
Exons	116..175, 120..176, 457..519, 462..521, 468..542, 469..567,		

535..663, 540..695, 761..1051, 763..1065, 766..1065, 1152..1295,
1152..1295

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tw	Method	TBLASTX:Wheat
Start	811	End	1325
GI	none	Score	340
Exons	811..1065, 818..895, 819..1049, 944..1060, 1150..1239, 1152..1325, 1155..1322, 1220..1324		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o2.gp	Method	AAT/GAP
Start	1149	End	1652
GI	22615_1.R1084	Score	928
Exons	1149..1652		
GI Descrip.	'399028/sp Q01594 ALLN_ALLSA 3.0e-12 ALLIIN LYASE PRECURSOR (ALLIINASE) (CYSTEINE SULPHOXIDE LYASE) >gi_419808_pir__S29302 alliin lyase (EC 4.4.1.4) precursor - garlic >gi_16109_emb_CAA78268_ (Z12622) precursor alliinase [Allium sativum]'		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.gs	Method	GENSCAN
Start	1214	End	2401
GI	none	Score	.45
Exons	1214..1344, 1433..1518, 1674..2401		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.np	Method	AAT/NAP
Start	1604	End	2700
GI	6907106	Score	392
Exons	1604..1775, 1840..2060, 2090..2383, 2530..2700		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.tm	Method	TBLASTX:Maize
Start	1700	End	2028
GI	none	Score	88
Exons	1700..1759, 1701..1775, 1722..1790, 1723..1791, 1744..1863, 1792..1839, 1804..1839, 1828..2028, 1940..2020		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12652	Strand	+
Start	2279	End	2905
Name	OJ990323_12.0103.C143.o1.gp	Method	AAT/GAP
Start	2279	End	2905

GI 48930.1.R1084 Score 1093
 Exons 2279..2905
 GI Descrip. '4586109/emb|CAB40945.1| 1.0e-25 (AL049638) putative protein [Arabidopsis thaliana]'

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o1.ts Method TBLASTX:Soybean
 Start 2485 End 2898
 GI none Score 124
 Exons 2485..2709, 2543..2671, 2836..2898

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o1.tc Method TBLASTX:Cress
 Start 2488 End 2907
 GI none Score 105
 Exons 2488..2709, 2537..2689, 2833..2907

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o1.tw Method TBLASTX:Wheat
 Start 2497 End 2685
 GI none Score 116
 Exons 2497..2685, 2543..2680

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o2.gs Method GENSCAN
 Start 2497 End 3050
 GI none Score .72
 Exons 2497..3050

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o2.np Method AAT/NAP
 Start 2500 End 2934
 GI 3860274 Score 261
 Exons 2500..2934
 GI Descrip. (AC005824) unknown protein [Arabidopsis thaliana]

Seq. No. 6012 Seq. ID OJ990323_12.0103.C143
 Gene No. 12653 Strand -
 Start 2497 End 3050
 Name OJ990323_12.0103.C143.o1.tm Method TBLASTX:Maize
 Start 2506 End 2899
 GI none Score 134
 Exons 2506..2724, 2537..2683, 2833..2898, 2834..2899

Seq. No. 6013 Seq. ID OJ990323_12.0103.C144
 Gene No. 12654 Strand +
 Start 451 End 844

Name	OJ990323_12.0103.C144.o1.gs	Method	GENSCAN
Start	451	End	844
GI	none	Score	.73
Exons	451..595, 660..844		
Seq. No.	6014	Seq. ID	OJ990323_12.0103.C145
Gene No.	12655	Strand	-
Start	1	End	7510
Name	OJ990323_12.0103.C145.o1.np	Method	AAT/NAP
Start	1	End	7510
GI	1165322	Score	31
Exons	1..69, 705..805, 7309..7510		
GI Descrip.	(U44838) extensin [Glycine max]		
Seq. No.	6014	Seq. ID	OJ990323_12.0103.C145
Gene No.	12655	Strand	-
Start	1	End	7510
Name	OJ990323_12.0103.C145.o2.gs	Method	GENSCAN
Start	5450	End	7443
GI	none	Score	.48
Exons	5450..5586, 5889..6010, 6765..6825, 7298..7443		
Seq. No.	6015	Seq. ID	OJ990323_12.0103.C146
Gene No.	12656	Strand	+
Start	182	End	533
Name	OJ990323_12.0103.C146.o1.gs	Method	GENSCAN
Start	182	End	533
GI	none	Score	.85
Exons	182..394, 423..533		
Seq. No.	6016	Seq. ID	OJ990323_12.0103.C147
Gene No.	12657	Strand	+
Start	278	End	432
Name	OJ990323_12.0103.C147.o1.gs	Method	GENSCAN
Start	278	End	432
GI	none	Score	.47
Exons	278..432		
Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.np	Method	AAT/NAP
Start	1	End	385
GI	5802555	Score	214
Exons	1..101, 214..385		
GI Descrip.	(AF173371) alliinase [Allium schoenoprasum]		
Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.tw	Method	TBLASTX:Wheat
Start	1	End	385
GI	none	Score	139
Exons	1..99, 2..100, 5..106, 207..383, 281..385, 294..383, 296..385		
Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+

Start	1	End	385
Name	OJ990323_12.0103.C149.o1.tm	Method	TBLASTX:Maize
Start	1	End	356
GI	none	Score	130
Exons	1..99, 2..100, 2..100, 9..101, 207..356, 213..356		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.gp	Method	AAT/GAP
Start	29	End	385
GI	4457_1.R1084	Score	470
Exons	29..101, 214..385		
GI Descrip.	'4633652/gb AAD26853.1 AF124405_1 5.0e-23 (AF124405) alliinase precursor [Allium cepa]'		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.gs	Method	GENSCAN
Start	50	End	322
GI	none	Score	.88
Exons	50..101, 214..322		

Seq. No.	6018	Seq. ID	OJ990323_12.0103.C150
Gene No.	12659	Strand	+
Start	100	End	213
Name	OJ990323_12.0103.C150.o1.gs	Method	GENSCAN
Start	100	End	213
GI	none	Score	.77
Exons	100..213		

Seq. No.	6018	Seq. ID	OJ990323_12.0103.C150
Gene No.	12660	Strand	+
Start	268	End	566
Name	OJ990323_12.0103.C150.o1.gp	Method	AAT/GAP
Start	268	End	566
GI	uC-osflcyp141h11b1	Score	570
Exons	268..566		
GI Descrip.	'4151319_1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]'		

Seq. No.	6019	Seq. ID	OJ990913_19.0103.C1
Gene No.	12661	Strand	+
Start	1730	End	1953
Name	OJ990913_19.0103.C1.o1.gp	Method	AAT/GAP
Start	1730	End	1953
GI	8022_1.R1084	Score	336
Exons	1730..1953		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6020	Seq. ID	OJ990913_19.0103.C2
Gene No.	12662	Strand	-
Start	507	End	955
Name	OJ990913_19.0103.C2.o1.gs	Method	GENSCAN
Start	507	End	955

GI	none	Score	.77
Exons	507..573, 876..955		
Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1943
GI	2982452	Score	850
Exons	1..1058, 1454..1943		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o1.gs	Method	GENSCAN
Start	82	End	10156
GI	none	Score	.54
Exons	82..1058, 1488..1798, 2186..2507, 2578..2663, 2716..2838, 3034..3081, 5727..6206, 6911..7686, 7973..8062, 8288..8536, 8971..9189, 9899..10156		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o2.np	Method	AAT/NAP
Start	5783	End	10111
GI	3287682	Score	1113
Exons	5783..5914, 6038..6210, 6915..7686, 7792..7869, 7973..8098, 8327..8544, 8976..9189, 9899..10111		
GI Descrip.	(AC003979) Strong similarity to gb M97657 poly(A)-binding protein (PABP5) from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	190	End	11841
GI	none	Score	72
Exons	190..291, 486..635, 486..635, 487..636, 669..788, 670..804, 670..807, 805..1077, 837..986, 1014..1052, 1486..1698, 1487..1579, 1643..1687, 1682..1816, 11236..11292, 11668..11841		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	486	End	11841
GI	none	Score	65
Exons	486..611, 486..635, 487..636, 670..804, 693..785, 805..1077, 805..1053, 1487..1561, 11668..11841		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tc	Method	TBLASTX:Cress

Start	487	End	11826
GI	none	Score	301
Exons	487..816, 492..608, 670..807, 820..1077, 840..986, 1014..1052, 1486..1578, 1487..1579, 1706..1792, 11236..11292, 11668..11826		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	676	End	11829
GI	none	Score	99
Exons	676..822, 806..994, 820..1053, 820..984, 822..1055, 840..992, 11668..11829		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	1579	End	1837
GI	none	Score	153
Exons	1579..1689, 1580..1705, 1795..1833, 1796..1837		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	6044	End	10060
GI	none	Score	86
Exons	6044..6160, 6158..6205, 6888..7529, 6910..7689, 7012..7257, 7029..7202, 7249..7554, 7610..7687, 7641..7703, 7791..7868, 7791..7871, 7792..7872, 7792..7872, 7792..7872, 7973..8047, 7985..8059, 9898..10056, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	6044	End	10060
GI	none	Score	108
Exons	6044..6160, 6044..6175, 6158..6205, 6906..7529, 6910..7689, 7015..7260, 7029..7274, 7249..7554, 7293..7535, 7466..7636, 7791..7859, 7792..7872, 7979..8047, 7985..8059, 9898..10056, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	6044	End	10060
GI	none	Score	102
Exons	6044..6160, 6158..6205, 6856..6933, 6888..7526, 6910..7689, 7015..7257, 7029..7214, 7249..7554, 7293..7535, 7593..7688, 7791..7859, 7982..8053, 7985..8059, 9898..10059, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905

Name	OJ990913_19.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	7015	End	7872
GI	none	Score	138
Exons	7015..7260, 7015..7092, 7029..7232, 7258..7365, 7278..7529, 7282..7674, 7284..7364, 7596..7667, 7792..7872		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	9881	End	10060
GI	none	Score	180
Exons	9881..10060, 9897..10043		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.gp	Method	AAT/GAP
Start	10537	End	11020
GI	70383_1.R1084	Score	929
Exons	10537..11020		
GI Descrip.	'2947063.8.0e-09 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	10859	End	11667
GI	none	Score	237
Exons	10859..11089, 10906..11112, 10907..11107, 11183..11302, 11188..11316, 11509..11559, 11629..11667		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.np	Method	AAT/NAP
Start	10861	End	11905
GI	2947063	Score	392
Exons	10861..11109, 11194..11291, 11655..11905		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.gs	Method	GENSCAN
Start	10864	End	11846
GI	none	Score	.76
Exons	10864..11109, 11194..11314, 11507..11556, 11638..11846		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	10909	End	11118
GI	none	Score	118

Exons 10909..11118, 10910..11062

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.gp	Method	AAT/GAP
Start	11286	End	11846
GI	15891_1.R1084	Score	511
Exons	11286..11314, 11507..11556, 11638..11846		
GI Descrip.	'2947063 1.0e-35 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12665	Strand	+
Start	6963	End	9373
Name	OJ990913_19.0103.C4.o2.gs	Method	GENSCAN
Start	6963	End	9373
GI	none	Score	.49
Exons	6963..7081, 8319..8366, 8371..8474, 9243..9373		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	2468
GI	2947063	Score	472
Exons	1..45, 539..676, 1194..2468		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.gp	Method	AAT/GAP
Start	494	End	1551
GI	none	Score	925
Exons	494..661, 1194..1551		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.gs	Method	GENSCAN
Start	528	End	2484
GI	none	Score	.6
Exons	528..661, 1194..2484		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	628	End	1692
GI	none	Score	61
Exons	628..684, 1306..1341, 1463..1690, 1468..1692		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090

Name	OJ990913_19.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	2085
GI	none	Score	135
Exons	1538..2056, 1540..2085		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	1603	End	2070
GI	none	Score	175
Exons	1603..1731, 1669..1803, 1807..2070		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	1696	End	2152
GI	none	Score	55
Exons	1696..1797, 1706..1834, 1717..2070, 1946..1990, 2081..2152		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o3.gs	Method	GENSCAN
Start	10536	End	15090
GI	none	Score	.56
Exons	10536..10651, 12670..12870, 12907..13111, 13192..13549, 14611..14736, 14854..14956, 15060..15090		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o2.gp	Method	AAT/GAP
Start	12282	End	13573
GI	16675_1.R1084	Score	1905
Exons	12282..12411, 12515..12558, 12670..13111, 13192..13573		
GI Descrip.	'4062935/dbj AB003495.1 AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	12699	End	13024
GI	none	Score	83
Exons	12699..12788, 12702..12767, 12776..12826, 12782..12829, 12790..12843, 12829..12966, 12830..13024, 12832..13023, 12833..13024		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	13025	End	14958
GI	none	Score	109
Exons	13025..13114, 13026..13112, 13192..13497, 13192..13497,		

13513..13563, 13513..13557, 14844..14894, 14877..14951,
14880..14936, 14881..14958, 14887..14958

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12668	Strand	+
Start	232	End	642
Name	OJ990913_19.0103.C5.o1.gs	Method	GENSCAN
Start	232	End	642
GI	none	Score	.7
Exons	232..642		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12669	Strand	+
Start	2937	End	4202
Name	OJ990913_19.0103.C5.o3.gs	Method	GENSCAN
Start	2937	End	4202
GI	none	Score	.99
Exons	2937..3000, 3988..4202		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12670	Strand	+
Start	5760	End	13194
Name	OJ990913_19.0103.C5.o4.gs	Method	GENSCAN
Start	5760	End	13194
GI	none	Score	.68
Exons	5760..5846, 6550..6853, 7103..7179, 7272..7416, 7678..7800, 7897..8024, 8635..8793, 9010..9172, 9476..9559, 9777..10138, 10547..10747, 11068..11177, 11284..11368, 12895..13194		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12670	Strand	+
Start	5760	End	13194
Name	OJ990913_19.0103.C5.o1.np	Method	AAT/NAP
Start	5775	End	13191
GI	4741192	Score	2024
Exons	5775..5846, 6475..6810, 7272..7416, 7681..7800, 7897..8024, 8635..8793, 9010..9172, 9255..9380, 9476..9559, 9777..10138, 10547..10747, 11068..11177, 11284..11368, 11865..11993, 12088..12193, 12318..12406, 12895..13191		

GI Descrip. (AL049746) ABC transporter-like protein [Arabidopsis thaliana]

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12671	Strand	-
Start	1109	End	2514
Name	OJ990913_19.0103.C5.o2.gs	Method	GENSCAN
Start	1109	End	2514
GI	none	Score	.68
Exons	1109..1518, 2005..2040, 2355..2514		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12672	Strand	
Start	9040	End	9573
Name	OJ990913_19.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	9040	End	9373
GI	none	Score	166
Exons	9040..9186, 9045..9173, 9253..9372, 9254..9373		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12672	Strand	
Start	9040	End	9573
Name	OJ990913_19.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	9251	End	9573
GI	none	Score	141
Exons	9251..9385, 9253..9390, 9481..9573		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12673	Strand	
Start	9478	End	10663
Name	OJ990913_19.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	9478	End	10663
GI	none	Score	78
Exons	9478..9558, 9781..10005, 9782..10006, 10535..10654, 10535..10663		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12673	Strand	
Start	9478	End	10663
Name	OJ990913_19.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	9772	End	10003
GI	none	Score	106
Exons	9772..9954, 9773..10003, 9782..9925, 9807..9941		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12674	Strand	
Start	11146	End	12978
Name	OJ990913_19.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	11146	End	12198
GI	none	Score	50
Exons	11146..11178, 11148..11183, 11285..11362, 11287..11361, 11861..11995, 11862..11996, 12069..12194, 12082..12198		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12674	Strand	
Start	11146	End	12978
Name	OJ990913_19.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	11921	End	12978
GI	none	Score	113
Exons	11921..11995, 11922..11996, 12083..12187, 12085..12198, 12087..12194, 12301..12408, 12320..12409, 12879..12977, 12892..12978, 12894..12977		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12675	Strand	
Start	12979	End	13199
Name	OJ990913_19.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	12979	End	13194
GI	none	Score	243
Exons	12979..13194, 12981..13172		
Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12675	Strand	
Start	12979	End	13199
Name	OJ990913_19.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	13012	End	13199
GI	none	Score	197

Exons 13012..13194, 13014..13199

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12676	Strand	+
Start	881	End	3657
Name	OJ990913_19.0103.C6.o1.gp	Method	AAT/GAP
Start	881	End	3057
GI	22987_1.R1084	Score	1545
Exons	881..1065, 2445..3057		
GI Descrip.	'4490733/emb CAB38936.1 2.0e-38 (AL035709) putative protein [Arabidopsis thaliana]'		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12676	Strand	+
Start	881	End	3657
Name	OJ990913_19.0103.C6.o1.np	Method	AAT/NAP
Start	2500	End	3657
GI	4490733	Score	1027
Exons	2500..3657		
GI Descrip.	(AL035709) putative protein [Arabidopsis thaliana]		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12677	Strand	+
Start	8809	End	9115
Name	OJ990913_19.0103.C6.o2.gp	Method	AAT/GAP
Start	8809	End	9115
GI	3761222	Score	542
Exons	8809..9115		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12678	Strand	-
Start	4399	End	9164
Name	OJ990913_19.0103.C6.o2.gs	Method	GENSCAN
Start	4399	End	9164
GI	none	Score	.8
Exons	4399..4527, 4652..4804, 5403..5698, 5792..8783, 9096..9164		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12678	Strand	-
Start	4399	End	9164
Name	OJ990913_19.0103.C6.o2.np	Method	AAT/NAP
Start	5340	End	8818
GI	6522541	Score	1708
Exons	5340..5698, 5792..6305, 6336..7972, 8333..8818		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2487	End	3159
GI	none	Score	51
Exons	2487..2564, 2500..2931, 2500..2925, 2604..2942, 2929..3096, 2930..3121, 2937..3122, 2938..3123, 2939..3127, 3109..3159, 3111..3158		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
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Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	2491	End	3262
GI	none	Score	126
Exons	2491..2646, 2500..2613, 2641..3249, 2641..3093, 2757..3248, 2948..3262		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	3192	End	3665
GI	none	Score	764
Exons	3192..3665, 3193..3663		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	3273	End	3668
GI	none	Score	526
Exons	3273..3668, 3274..3660, 3279..3659		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tc	Method	TBLASTX:Cress
Start	3403	End	3678
GI	none	Score	307
Exons	3403..3678, 3408..3668		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	5409	End	5715
GI	none	Score	53
Exons	5409..5513, 5410..5511, 5469..5699, 5497..5700, 5623..5715		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	5514	End	6416
GI	none	Score	88
Exons	5514..5699, 5524..5700, 5793..5837, 5794..5823, 5832..6074, 5872..6048, 6081..6278, 6091..6246, 6327..6416, 6328..6414		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	5602	End	6026
GI	none	Score	61
Exons	5602..5700, 5610..5699, 5793..5822, 5871..6026, 5875..5958		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	5604	End	8687
GI	none	Score	93

Exons

5604..5699,	5863..6021,	5877..6044,	6078..6146,	6079..6177,
6150..6230,	6669..7013,	6681..7178,	6681..6998,	6681..6962,
6681..6818,	6687..7013,	6687..7007,	6687..7013,	6687..6734,
6687..7016,	6738..6998,	6813..7013,	6823..7029,	6903..6956,
6936..7016,	6978..7139,	7014..7388,	7020..7394,	7020..7385,
7023..7394,	7023..7259,	7041..7484,	7041..7385,	7050..7394,
7071..7253,	7113..7361,	7176..7391,	7506..7691,	7560..7691,
7563..7685,	7563..7682,	7626..7793,	7698..8405,	7698..8195,
7710..8060,	7710..7976,	7710..7859,	7726..7878,	7764..8561,
7773..8078,	7794..7979,	7836..8585,	7926..8219,	8133..8612,
8142..8612,	8142..8435,	8143..8238,	8163..8336,	8176..8295,
8205..8624,	8205..8507,	8215..8541,	8286..8567,	8346..8591,
8359..8496,	8361..8471,	8415..8627,	8418..8621,	8496..8633,
8643..8687				

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	5799	End	6246
GI	none	Score	102

Exons

5799..5840,	5871..6047,	5887..6018,	6060..6245,	6061..6246
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Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o4.ts	Method	TBLASTX:Soybean
Start	6627	End	8621
GI	none	Score	79

Exons

6627..7016,	6681..7013,	6681..7013,	6687..7385,	6687..7013,
6687..7127,	7014..7292,	7014..7361,	7023..7361,	7041..7391,
7041..7385,	7047..7388,	7074..7199,	7123..7350,	7251..7388,
7290..7385,	7389..7463,	7421..7468,	7521..7574,	7563..8081,
7563..7691,	7563..7688,	7564..7962,	7698..7829,	7698..7877,
7698..7787,	7698..7805,	7701..7964,	7704..7871,	7710..8081,
7710..8081,	7710..8021,	7926..8525,	8067..8477,	8133..8585,
8136..8612,	8139..8615,	8139..8549,	8142..8621,	8142..8429,
8142..8606,	8143..8319,	8143..8298,	8187..8585,	8244..8363,
8359..8529,	8431..8589,	8460..8579		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	6681	End	8747
GI	none	Score	65

Exons

6681..6869,	6705..7013,	7014..7313,	7137..7388,	7281..7391,
7501..7659,	7563..7691,	7725..8030,	7927..8019,	8016..8318,
8157..8468,	8229..8549,	8301..8624,	8445..8627,	8643..8747

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
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Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	6681	End	8633
GI	none	Score	83
Exons	6681..7013, 6913..6987, 7011..7304, 7014..7244, 7041..7385, 7122..7376, 7176..7451, 7185..7388, 7560..7685, 7698..7820, 7698..7877, 7701..7877, 7701..7964, 7705..7866, 7710..7865, 7851..7958, 7852..8016, 7926..8081, 7990..8109, 7992..8474, 7995..8081, 8070..8324, 8142..8540, 8143..8313, 8143..8394, 8215..8322, 8346..8606, 8415..8612, 8418..8633, 8419..8586, 8431..8607		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.gs	Method	GENSCAN
Start	10478	End	11036
GI	none	Score	.54
Exons	10478..10551, 10865..11036		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12680	Strand	+
Start	2421	End	4585
Name	OJ990913_19.0103.C7.o3.np	Method	AAT/NAP
Start	2421	End	4585
GI	5918469	Score	57
Exons	2421..2827, 4555..4585		
GI Descrip.	(AL118514) DNA polymerase III subunit gamma [Streptomyces coelicolor A3(2)]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12680	Strand	+
Start	2421	End	4585
Name	OJ990913_19.0103.C7.o2.gs	Method	GENSCAN
Start	3438	End	4394
GI	none	Score	.83
Exons	3438..3654, 4270..4394		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	3638
GI	4680199	Score	462
Exons	1..38, 129..813, 1227..1766, 1893..2191, 2379..2540, 3308..3510, 3589..3638		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.np	Method	AAT/NAP
Start	1	End	3931
GI	4680199	Score	470
Exons	1..38, 129..813, 1227..1766, 1893..2183, 3881..3931		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	126	End	495
GI	none	Score	94
Exons	126..392, 127..249, 127..411, 128..388, 382..495, 412..483		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	127	End	390
GI	none	Score	187
Exons	127..390		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	166	End	619
GI	none	Score	51
Exons	166..429, 335..430, 433..594, 470..577, 569..619		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.gs	Method	GENSCAN
Start	1214	End	2735
GI	none	Score	.56
Exons	1214..1792, 1878..2183, 2424..2735		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	1622	End	1947
GI	none	Score	138
Exons	1622..1792, 1662..1796, 1876..1947, 1878..1946		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	1890	End	2175
GI	none	Score	40
Exons	1890..2174, 1893..1937, 1894..1941, 1965..2174, 1996..2175		

Seq. No.	6026	Seq. ID	OJ990913_19.0103.C9
Gene No.	12682	Strand	-
Start	241	End	280
Name	OJ990913_19.0103.C9.o1.gs	Method	GENSCAN
Start	241	End	280
GI	none	Score	.89
Exons	241..280		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.gs	Method	GENSCAN
Start	412	End	2731
GI	none	Score	.66
Exons	412..801, 874..972, 1484..1657, 1743..2380, 2547..2599, 2691..2731		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.np	Method	AAT/NAP
Start	454	End	3273
GI	6815062	Score	1382
Exons	454..644, 751..801, 874..972, 1049..1358, 1417..1657, 1743..2599, 2691..2761, 2933..3273		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	1052	End	1657
GI	none	Score	101
Exons	1052..1234, 1274..1351, 1448..1657, 1449..1607		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	1896	End	2366
GI	none	Score	179
Exons	1896..2234, 1900..2187, 1980..2234, 2265..2366, 2275..2349		

Seq. No.	6028	Seq. ID	OJ990913_19.0103.C11
Gene No.	12684	Strand	-
Start	26	End	801
Name	OJ990913_19.0103.C11.o1.gs	Method	GENSCAN
Start	26	End	801
GI	none	Score	.64
Exons	26..342, 353..493, 669..801		

Seq. No.	6029	Seq. ID	OJ990913_19.0103.C13
Gene No.	12685	Strand	-
Start	1	End	710
Name	OJ990913_19.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	710
GI	5690095	Score	323
Exons	1..710		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	6029	Seq. ID	OJ990913_19.0103.C13
Gene No.	12685	Strand	-
Start	1	End	710

Name	OJ990913_19.0103.C13.o1.gs	Method	GENSCAN
Start	274	End	652
GI	none	Score	.43
Exons	274..652		
Seq. No.	6030	Seq. ID	OJ990913_19.0103.C14
Gene No.	12686	Strand	-
Start	263	End	495
Name	OJ990913_19.0103.C14.o1.gs	Method	GENSCAN
Start	263	End	375
GI	none	Score	.51
Exons	263..375		
Seq. No.	6030	Seq. ID	OJ990913_19.0103.C14
Gene No.	12686	Strand	-
Start	263	End	495
Name	OJ990913_19.0103.C14.o1.np	Method	AAT/NAP
Start	266	End	495
GI	4680186	Score	305
Exons	266..495		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6031	Seq. ID	OJ990913_19.0103.C15
Gene No.	12687	Strand	+
Start	1	End	189
Name	OJ990913_19.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	189
GI	6815062	Score	125
Exons	1..189		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	6031	Seq. ID	OJ990913_19.0103.C15
Gene No.	12687	Strand	+
Start	1	End	189
Name	OJ990913_19.0103.C15.o1.gs	Method	GENSCAN
Start	2	End	83
GI	none	Score	.7
Exons	2..83		
Seq. No.	6032	Seq. ID	OJ990913_19.0103.C16
Gene No.	12688	Strand	-
Start	44	End	568
Name	OJ990913_19.0103.C16.o1.gs	Method	GENSCAN
Start	44	End	568
GI	none	Score	.89
Exons	44..241, 515..568		
Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	6522592	Score	883
Exons	1..745, 952..1449, 1594..2099		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	3	End	1903
GI	none	Score	85
Exons	3..242, 3..239, 3..239, 6..140, 6..239, 6..110, 6..239, 103..234, 109..234, 189..239, 192..245, 201..239, 201..239, 243..617, 243..437, 246..437, 246..602, 249..617, 249..386, 249..440, 255..395, 267..395, 279..614, 345..437, 402..611, 420..617, 492..635, 492..617, 789..911, 789..917, 792..917, 866..904, 953..1102, 953..1102, 953..1102, 956..1102, 956..1102, 986..1102, 1007..1102, 1152..1256, 1287..1523, 1289..1435, 1292..1393, 1295..1444, 1295..1849, 1295..1633, 1298..1444, 1307..1840, 1368..1487, 1499..1852, 1502..1837, 1502..1744, 1511..1855, 1520..1846, 1571..1861, 1583..1837, 1655..1798, 1658..1876, 1697..1834, 1868..1903		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1876
GI	none	Score	63
Exons	3..242, 6..239, 60..239, 243..617, 246..437, 246..548, 249..617, 249..431, 259..516, 279..614, 322..432, 469..516, 492..623, 786..911, 953..1102, 956..1105, 956..1102, 1224..1595, 1290..1544, 1295..1444, 1295..1837, 1298..1444, 1361..1840, 1368..1544, 1496..1774, 1511..1582, 1511..1840, 1520..1846, 1571..1861, 1658..1876		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o2.tw	Method	TBLASTX:Wheat
Start	3	End	1969
GI	none	Score	49
Exons	3..245, 249..368, 792..917, 793..873, 956..1105, 956..1102, 1295..1444, 1305..1562, 1377..1595, 1382..1705, 1526..1852, 1868..1969		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	1849
GI	none	Score	61
Exons	3..239, 6..254, 6..113, 6..239, 118..237, 185..265, 240..602, 240..437, 243..437, 246..635, 255..395, 492..590, 699..797, 786..908, 956..1102, 956..1102, 1025..1105, 1295..1837, 1295..1639, 1298..1849, 1511..1840, 1604..1846		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099

Name	OJ990913_19.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	369	End	789
GI	none	Score	227
Exons	369..440, 508..789, 510..788		
Seq. No.	6034	Seq. ID	OJ990913_19.0103.C19
Gene No.	12690	Strand	+
Start	280	End	519
Name	OJ990913_19.0103.C19.o1.gs	Method	GENSCAN
Start	280	End	519
GI	none	Score	.78
Exons	280..375, 386..519		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12691	Strand	+
Start	110	End	280
Name	OJ990913_19.0103.C20.o1.gs	Method	GENSCAN
Start	110	End	280
GI	none	Score	.99
Exons	110..280		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12692	Strand	+
Start	2392	End	6294
Name	OJ990913_19.0103.C20.o3.gs	Method	GENSCAN
Start	2392	End	3992
GI	none	Score	.68
Exons	2392..2523, 3306..3992		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12692	Strand	+
Start	2392	End	6294
Name	OJ990913_19.0103.C20.o1.gp	Method	AAT/GAP
Start	2397	End	6294
GI	uC-osflcyp144h10b1	Score	838
Exons	2397..2523, 5941..6294		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-149 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12693	Strand	-
Start	839	End	1460
Name	OJ990913_19.0103.C20.o2.gs	Method	GENSCAN
Start	839	End	1460
GI	none	Score	.6
Exons	839..1011, 1109..1460		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12694	Strand	-
Start	3566	End	11982
Name	OJ990913_19.0103.C20.o1.np	Method	AAT/NAP
Start	3566	End	5043
GI	5852179	Score	313
Exons	3566..3750, 3824..4036, 5023..5043		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20

Gene No.	12694	Strand	-
Start	3566	End	11982
Name	OJ990913_19.0103.C20.o4.gs	Method	GENSCAN
Start	4414	End	11982
GI	none	Score	.49
Exons	4414..4551, 5639..5719, 5976..6744, 6831..7152, 7446..7812, 9760..9962, 9983..10098, 10500..10632, 11925..11982		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	2982452	Score	899
Exons	1..1383		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.gs	Method	GENSCAN
Start	58	End	1339
GI	none	Score	.75
Exons	58..1339		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.ts	Method	TBLASTX:Soybean
Start	97	End	1380
GI	none	Score	80
Exons	97..195, 97..774, 106..390, 244..846, 388..1023, 468..728, 475..1068, 511..918, 529..1071, 543..743, 583..990, 655..1065, 697..816, 799..1071, 822..1070, 828..1277, 828..1133, 913..1032, 1038..1205, 1116..1277, 1132..1368, 1132..1377, 1132..1350, 1132..1380, 1132..1377, 1132..1248, 1153..1377, 1159..1350, 1183..1380, 1201..1305, 1249..1380		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tc	Method	TBLASTX:Cress
Start	103	End	1380
GI	none	Score	71
Exons	103..195, 103..390, 103..390, 103..264, 106..390, 106..390, 108..362, 112..369, 171..350, 241..357, 388..843, 388..702, 396..752, 397..1071, 397..1059, 397..939, 397..660, 399..629, 402..701, 436..1002, 468..710, 517..1071, 613..1071, 652..1062, 727..1071, 727..1074, 853..918, 868..1062, 903..1070, 978..1133, 1098..1277, 1132..1377, 1132..1377, 1132..1377, 1132..1350, 1132..1224, 1132..1377, 1135..1380, 1138..1209, 1168..1377		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tm	Method	TBLASTX:Maize

Start	103	End	1383
GI	none	Score	81
Exons	103..267, 106..369, 370..516, 394..657, 397..804, 469..873, 472..630, 541..951, 592..774, 592..765, 604..831, 661..846, 664..834, 685..1071, 831..887, 834..1064, 901..1059, 906..1106, 952..1071, 967..1053, 1113..1232, 1132..1350, 1132..1233, 1132..1278, 1162..1350, 1185..1349, 1240..1287, 1255..1383		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	256	End	1350
GI	none	Score	68
Exons	256..390, 607..771, 690..728, 691..843, 709..915, 763..915, 853..1053, 855..1052, 979..1074, 997..1071, 1132..1275, 1132..1281, 1213..1350		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12696	Strand	+
Start	45	End	248
Name	OJ990913_19.0103.C22.o1.gs	Method	GENSCAN
Start	45	End	248
GI	none	Score	.42
Exons	45..248		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12697	Strand	-
Start	1	End	383
Name	OJ990913_19.0103.C22.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	2798320	Score	363
Exons	1..211		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12697	Strand	-
Start	1	End	383
Name	OJ990913_19.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	74	End	383
GI	none	Score	98
Exons	74..190, 78..191, 79..192, 193..267, 195..266, 196..267, 348..383, 353..382		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12698	Strand	+
Start	225	End	1534
Name	OJ990903_18.0103.C1.o1.gs	Method	GENSCAN
Start	225	End	1534
GI	none	Score	.82
Exons	225..403, 487..738, 1238..1271, 1349..1534		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12699	Strand	+
Start	1980	End	2419
Name	OJ990903_18.0103.C1.o1.gp	Method	AAT/GAP
Start	1980	End	2419
GI	uC-osflcyp157g04a1	Score	781

Exons 1980..2419
 GI Descrip. '2055262/dbj|BAA19793| 7.0e-35 (AB003194) chitinase IIb [Oryza sativa]'

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	2154	End	3079
GI	none	Score	396
Exons	2154..2525, 2164..2535, 2275..2535, 2509..2571, 2652..2846, 2656..2847, 2656..2859, 2657..2857, 2929..3024, 2930..3043, 2972..3079		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o2.gs	Method	GENSCAN
Start	2160	End	3090
GI	none	Score	.86
Exons	2160..2566, 2655..3090		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	2160	End	3025
GI	none	Score	314
Exons	2160..2567, 2164..2559, 2651..2863, 2651..2833, 2653..2862, 2926..3024, 2933..3025		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	2160	End	2854
GI	none	Score	318
Exons	2160..2561, 2164..2559, 2275..2571, 2652..2774, 2656..2853, 2657..2854		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.np	Method	AAT/NAP
Start	2163	End	3114
GI	2055262	Score	1118
Exons	2163..2566, 2655..2866, 3044..3114		
GI Descrip.	(AB003194) chitinase IIb [Oryza sativa]		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o2.gp	Method	AAT/GAP
Start	2715	End	3140
GI	28926_1.R1084	Score	745
Exons	2715..3140		
GI Descrip.	'3273202/dbj BAA31146 2.0e-30 (AB010918) response reactor4		

[*Arabidopsis thaliana*]

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	2725	End	3098
GI	none	Score	75
Exons	2725..2856, 2730..2852, 2747..2857, 2929..3024, 2930..3043, 2975..3067, 3063..3098		

Seq. No.	6039	Seq. ID	OJ990903_18.0103.C3
Gene No.	12701	Strand	-
Start	342	End	463
Name	OJ990903_18.0103.C3.o1.gs	Method	GENSCAN
Start	342	End	463
GI	none	Score	.71
Exons	342..463		

Seq. No.	6040	Seq. ID	OJ990903_18.0103.C4
Gene No.	12702	Strand	-
Start	114	End	1392
Name	OJ990903_18.0103.C4.o1.gs	Method	GENSCAN
Start	114	End	1392
GI	none	Score	.57
Exons	114..256, 1185..1392		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o1.gs	Method	GENSCAN
Start	600	End	11292
GI	none	Score	.41
Exons	600..629, 971..1151, 1631..1702, 4095..4216, 5064..5182, 5748..5940, 7155..7658, 7688..8252, 8266..8378, 8733..8770, 10464..10626, 11150..11292		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o3.gp	Method	AAT/GAP
Start	5747	End	7302
GI	428719	Score	660
Exons	5747..5940, 7155..7302		
GI Descrip.	1621268/emb CAB02653 2.0e-13 (Z81012) unknown [Ricinus communis]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o2.np	Method	AAT/NAP
Start	6107	End	8262
GI	6648215	Score	767
Exons	6107..6149, 7119..7658, 7748..8262		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
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Gene No. 12704
 Start 20932
 Name OJ990903_18.0103.C5.o7.gp
 Start 20850
 GI 428591
 Exons 20850..21016, 21181..21301

Strand +
 End 22338
 Method AAT/GAP
 End 21301
 Score 543

Seq. No. 6041
 Gene No. 12704
 Start 20932
 Name OJ990903_18.0103.C5.o4.gs
 Start 20932
 GI none
 Exons 20932..21016, 21181..21678, 21800..22338

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 22338
 Method GENSCAN
 End 22338
 Score .75

Seq. No. 6041
 Gene No. 12705
 Start 24644
 Name OJ990903_18.0103.C5.o5.gs
 Start 24644
 GI none
 Exons 24644..24722, 24897..25394, 25492..26026, 26434..26549, 26584..26756, 26817..26964, 27102..27599, 27692..28227

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 28227
 Method GENSCAN
 End 28227
 Score .7

Seq. No. 6041
 Gene No. 12705
 Start 24644
 Name OJ990903_18.0103.C5.o4.np
 Start 26346
 GI 537313
 Exons 26346..26397, 27054..27599, 27692..28212
 GI Descrip. (L36159) unknown protein [Medicago sativa]

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 28227
 Method AAT/NAP
 End 28212
 Score 1052

Seq. No. 6041
 Gene No. 12706
 Start 30746
 Name OJ990903_18.0103.C5.o6.gs
 Start 30746
 GI none
 Exons 30746..30876, 30920..31057, 31781..32247, 32274..32890

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 32890
 Method GENSCAN
 End 32890
 Score .79

Seq. No. 6041
 Gene No. 12706
 Start 30746
 Name OJ990903_18.0103.C5.o5.np
 Start 31707
 GI 1621268
 Exons 31707..32244, 32343..32866
 GI Descrip. (Z81012) unknown [Ricinus communis]

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 32890
 Method AAT/NAP
 End 32866
 Score 997

Seq. No. 6041
 Gene No. 12706
 Start 30746
 Name OJ990903_18.0103.C5.o6.np
 Start 31797
 GI 4049348
 Exons 31797..32244, 32343..32866

Seq. ID OJ990903_18.0103.C5
 Strand +
 End 32890
 Method AAT/NAP
 End 32866
 Score 940

GI Descrip. (AL034567) putative protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.gs	Method	GENSCAN
Start	36126	End	48686
GI	none	Score	.62
Exons	36126..36322, 36677..36774, 38391..38619, 38645..38742, 39866..39954, 40020..40211, 40930..41396, 42847..42997, 43652..43802, 44230..44378, 44618..44687, 45081..45110, 45532..45601, 46233..46560, 47005..47401, 47482..47777, 48450..48686		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o7.np	Method	AAT/NAP
Start	40966	End	41454
GI	2288994	Score	335
Exons	40966..41454		

GI Descrip. (AC002335) unknown protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.gp	Method	AAT/GAP
Start	46093	End	47034
GI	none	Score	955
Exons	46093..46560, 47005..47034		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.np	Method	AAT/NAP
Start	47005	End	48743
GI	6850866	Score	424
Exons	47005..47445, 47532..47777, 48450..48743		

GI Descrip. (AL132959) putative protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o9.gp	Method	AAT/GAP
Start	47292	End	47764
GI	LIB3433-023-P1-K1-C6	Score	656
Exons	47292..47401, 47482..47764		

GI Descrip. '5123939/emb|CAB45497.1| 5.0e-10 (AL079349) putative protein [Arabidopsis thaliana]'

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12708	Strand	+
Start	55448	End	55958
Name	OJ990903_18.0103.C5.o11.gp	Method	AAT/GAP
Start	55448	End	55958
GI	45556_2.R1084	Score	968
Exons	55448..55958		

GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450
[Arabidopsis thaliana]'

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12709	Strand	-
Start	1	End	1167
Name	OJ990903_18.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	1167
GI	3273202	Score	125
Exons	1..49, 566..654, 773..845, 957..1167		
GI Descrip.	(AB010918) response reactor4 [Arabidopsis thaliana] gi 6911874 emb CAB72174.1 (AL138655) response reactor 4 [Arabidopsis thaliana]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12709	Strand	-
Start	1	End	1167
Name	OJ990903_18.0103.C5.o1.gp	Method	AAT/GAP
Start	573	End	664
GI	428412	Score	92
Exons	573..664		
GI Descrip.	3273202/dbj BAA31146 2.0e-30 (AB010918) response reactor4 [Arabidopsis thaliana]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12710	Strand	-
Start	2196	End	2505
Name	OJ990903_18.0103.C5.o2.gp	Method	AAT/GAP
Start	2196	End	2505
GI	74489_1.R1084	Score	612
Exons	2196..2505		
GI Descrip.	'1621268/emb CAB02653 2.0e-13 (Z81012) unknown [Ricinus communis]'		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12711	Strand	-
Start	8900	End	9189
Name	OJ990903_18.0103.C5.o4.gp	Method	AAT/GAP
Start	8900	End	9189
GI	426253	Score	463
Exons	8900..9189		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o3.np	Method	AAT/NAP
Start	9954	End	17375
GI	6630696	Score	5944
Exons	9954..10190, 13831..17375		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o5.gp	Method	AAT/GAP

Start	10347	End	10459
GI	uC-osflcyp088b12b1	Score	153
Exons	10347..10459		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o3.gs	Method	GENSCAN
Start	16363	End	19375
GI	none	Score	.62
Exons	16363..16511, 16718..17081, 17124..17372, 17770..17887, 19251..19375		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o6.gp	Method	AAT/GAP
Start	16437	End	17266
GI	101595_1.R1084	Score	1125
Exons	16437..16511, 16627..17266		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12713	Strand	-
Start	34210	End	34584
Name	OJ990903_18.0103.C5.o7.gs	Method	GENSCAN
Start	34210	End	34584
GI	none	Score	.94
Exons	34210..34584		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12714	Strand	-
Start	48519	End	49137
Name	OJ990903_18.0103.C5.o10.gp	Method	AAT/GAP
Start	48519	End	49137
GI	none	Score	1170
Exons	48519..49137		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12715	Strand	-
Start	49745	End	52910
Name	OJ990903_18.0103.C5.o9.np	Method	AAT/NAP
Start	49745	End	52910
GI	2253278	Score	577
Exons	49745..50100, 50595..50679, 51336..51468, 52354..52673, 52701..52910		
GI Descrip.	(AF005492) RF2a [Oryza sativa]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	7147	End	34836
GI	none	Score	370

Exons 7147..7458, 7154..7459, 21171..21476, 21179..21472,
21255..21476, 24895..25188, 24896..25192, 27086..27397,
27091..27396, 31780..31839, 31826..32062, 31827..32063,
34724..34768, 34801..34836

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	7147	End	34836
GI	none	Score	368
Exons	7147..7509, 7154..7510, 7465..7644, 7472..7666, 7746..7811, 7750..7875, 7867..8172, 7884..8171, 8212..8259, 21171..21485, 21179..21484, 21492..21683, 21587..21688, 21801..21863, 21802..21927, 21910..22224, 21933..22223, 22258..22311, 22263..22310, 24863..25201, 24895..25206, 25186..25398, 25208..25399, 25494..25613, 25494..25553, 25602..25916, 25602..25856, 25766..25915, 25955..26002, 25956..26003, 27065..27406, 27082..27405, 27406..27513, 27407..27604, 27506..27580, 27694..27819, 27694..27807, 27699..27830, 27811..28116, 27837..27941, 27966..28115, 28156..28203, 31779..31832, 31780..31830, 31826..32047, 31827..32048, 32054..32245, 32055..32246, 32321..32485, 32353..32484, 32465..32770, 32485..32595, 32620..32769, 34724..34771, 34804..34836		

Seq. No. 6041 Seq. ID OJ990903_18.0103.C5
Gene No. 12716 Strand -
Start 55832 End 56201
Name OJ990903_18.0103.C5.o1.tm Method TBLASTX:Maize
Start 7147 End 32903
GI none Score 51
Exons 7147..7197, 7154..7204, 7183..7278, 7186..7644, 7187..7645,
7707..7865, 7747..7875, 7749..7820, 7879..8274, 7884..8297,
8319..8366, 21158..21223, 21159..21230, 21213..21482,
21230..21451, 21264..21461, 21450..21665, 21479..21664,
21801..21866, 21802..21930, 21802..21897, 21877..22323,
21933..22304, 24895..24945, 24896..24964, 24929..25198,
24943..25167, 25166..25381, 25192..25392, 25445..25612,
25491..25616, 25623..26003, 25623..25964, 25730..26026,
27094..27150, 27101..27151, 27134..27403, 27148..27372,
27371..27586, 27385..27513, 27494..27595, 27694..27831,
27694..27807, 27699..27833, 27823..28203, 27834..28190,
27871..28209, 28083..28208, 31768..31830, 31779..31829,
31826..32029, 31827..32054, 32019..32273, 32033..32233,
32034..32273, 32155..32274, 32341..32484, 32342..32485,
32474..32887, 32485..32826, 32709..32903, 32711..32890

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	7442	End	32383
GI	none	Score	168
Exons	7442..7666, 7762..7785, 7780..7824, 21444..21683, 21446..21676, 25160..25399, 25213..25386, 25524..25568, 27365..27604, 27706..27729, 32013..32234, 32015..32218, 32348..32383		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	7463	End	32809
GI	none	Score	224
Exons	7463..7666, 7750..7875, 7752..7814, 7867..8211, 7884..8180, 8215..8238, 21477..21701, 21494..21664, 21802..21927, 21804..21866, 21910..22263, 21933..22262, 22267..22290, 25192..25275, 25193..25399, 25306..25392, 25494..25613, 25626..25955, 25730..25954, 27398..27604, 27693..27833, 27694..27819, 27811..28155, 27834..28124, 28159..28182, 32063..32245, 32154..32243, 32351..32485, 32359..32484, 32465..32809, 32485..32778		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o8.tw	Method	TBLASTX:Wheat
Start	9459	End	9815
GI	none	Score	94
Exons	9459..9488, 9460..9588, 9532..9585, 9600..9662, 9603..9653, 9645..9743, 9674..9775, 9773..9814, 9783..9815		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	10092	End	14206
GI	none	Score	119
Exons	10092..10190, 10096..10191, 10123..10191, 13828..13878, 13832..13888, 13880..14101, 13880..14116, 13881..14132, 13938..14117, 14133..14201, 14135..14206, 14146..14205		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.ts	Method	TBLASTX:Soybean
Start	13783	End	14212
GI	none	Score	34
Exons	13783..13893, 13880..14062, 13938..14063, 14087..14212, 14087..14212		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	14062	End	14410
GI	none	Score	103
Exons	14062..14376, 14070..14303, 14072..14410, 14073..14396		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	14213	End	14560

GI	none	Score	74
Exons	14213..14401, 14214..14399, 14402..14560		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	14414	End	14960
GI	none	Score	69
Exons	14414..14620, 14615..14887, 14892..14960		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	14495	End	14960
GI	none	Score	61
Exons	14495..14893, 14675..14824, 14892..14960, 14910..14945		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	14630	End	15095
GI	5509260	Score	46
Exons	14630..14887, 14774..14875, 14892..15095, 14896..15000		
GI Descrip.	-		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	14741	End	15002
GI	none	Score	84
Exons	14741..14893, 14892..15002, 14893..15000		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	15015	End	15768
GI	none	Score	105
Exons	15015..15173, 15015..15458, 15020..15448, 15265..15459, 15294..15473, 15450..15758, 15454..15768, 15455..15760		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	15420	End	15816
GI	none	Score	89
Exons	15420..15458, 15463..15591, 15581..15814, 15586..15816		
Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.tm	Method	TBLASTX:Maize

Start 15604
 GI none
 Exons 15604..16068, 15677..15778

End 16068
 Score 65

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o5.tw
 Start 15769
 GI none
 Exons 15769..15960, 15797..15961

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Wheat
 End 15961
 Score 201

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o3.tm
 Start 16222
 GI none
 Exons 16222..16494, 16227..16496, 16228..16494, 16229..16495, 16239..16502

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Maize
 End 16502
 Score 336

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o9.tm
 Start 17028
 GI none
 Exons 17028..17207, 17085..17333, 17104..17334

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Maize
 End 17334
 Score 110

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o4.tw
 Start 17084
 GI none
 Exons 17084..17266, 17085..17369, 17104..17340, 17368..17475, 17378..17476

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Wheat
 End 17476
 Score 137

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o4.tm
 Start 40942
 GI none
 Exons 40942..41019, 40945..41286, 40965..41252

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Maize
 End 41286
 Score 337

Seq. No. 6041
 Gene No. 12716
 Start 55832
 Name OJ990903_18.0103.C5.o2.tm
 Start 46350
 GI none
 Exons 46350..46424, 46455..46556, 46471..46560, 46477..46560, 47002..47319, 47004..47318

Seq. ID OJ990903_18.0103.C5
 Strand -
 End 56201
 Method TBLASTX:Maize
 End 47319
 Score 110

Seq. No. 6041
 Gene No. 12716

Seq. ID OJ990903_18.0103.C5
 Strand -

Start	55832	End	56201
Name	OJ990903_18.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	47149	End	48611
GI	none	Score	76
Exons	47149..47292, 47538..47780, 48447..48611		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	47708	End	48685
GI	none	Score	108
Exons	47708..47770, 47709..47780, 47730..47780, 48443..48571, 48444..48491, 48447..48671, 48448..48528, 48449..48685		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o10.tm	Method	TBLASTX:Maize
Start	50003	End	52422
GI	none	Score	86
Exons	50003..50110, 50596..50682, 50597..50680, 51316..51471, 51336..51485, 52353..52421, 52354..52422		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.tc	Method	TBLASTX:Cress
Start	50009	End	52502
GI	none	Score	115
Exons	50009..50098, 50596..50682, 50597..50683, 51270..51485, 51316..51471, 52353..52424, 52354..52425, 52464..52502		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.tw	Method	TBLASTX:Wheat
Start	50042	End	52427
GI	none	Score	36
Exons	50042..50110, 50573..50617, 50596..50682, 50597..50689, 51322..51486, 51336..51485, 52353..52427		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.ts	Method	TBLASTX:Soybean
Start	50596	End	52484
GI	none	Score	72
Exons	50596..50682, 50597..50683, 51270..51485, 51316..51471, 52353..52484		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o10.np	Method	AAT/NAP
Start	55832	End	56201
GI	6466939	Score	98

Exons 55832..55938, 56134..56201
 GI Descrip. (AC009176) unknown protein, 5' partial [Arabidopsis thaliana]

Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.np	Method	AAT/NAP
Start	134	End	2838
GI	6041852	Score	353
Exons	134..224, 473..587, 1817..1882, 1989..2088, 2591..2838		
GI Descrip.	(AC009853) unknown protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.gs	Method	GENSCAN
Start	143	End	2796
GI	none	Score	.93
Exons	143..224, 473..587, 1989..2088, 2591..2796		

Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.gp	Method	AAT/GAP
Start	2574	End	2931
GI	428126	Score	614
Exons	2574..2931		

Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12718	Strand	-
Start	5126	End	6051
Name	OJ990903_18.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	1992	End	2797
GI	none	Score	78
Exons	1992..2045, 1992..2054, 1993..2052, 2049..2099, 2053..2103, 2576..2698, 2590..2676, 2738..2797, 2773..2796		

Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12718	Strand	-
Start	5126	End	6051
Name	OJ990903_18.0103.C6.o2.gs	Method	GENSCAN
Start	5126	End	6051
GI	none	Score	.59
Exons	5126..5230, 5375..5537, 6014..6051		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12719	Strand	+
Start	279	End	440
Name	OJ990903_18.0103.C7.o1.gs	Method	GENSCAN
Start	279	End	440
GI	none	Score	.44
Exons	279..440		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.gs	Method	GENSCAN

Start	830	End	8893
GI	none	Score	.7
Exons	830..989, 1234..1381, 2620..2649, 4888..5055, 5310..5390, 5456..5687, 5942..6209, 6302..6600, 6693..7461, 7544..7694, 8248..8361, 8698..8893		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o1.np	Method	AAT/NAP
Start	833	End	998
GI	5042462	Score	104
Exons	833..913, 942..998		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.np	Method	AAT/NAP
Start	4764	End	9393
GI	5441880	Score	692
Exons	4764..5007, 5416..5632, 5936..6195, 6294..6594, 7113..7418, 7525..7698, 8267..8563, 8825..8874, 9316..9393		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	7050	End	7379
GI	none	Score	96
Exons	7050..7082, 7119..7154, 7188..7316, 7189..7317, 7315..7371, 7326..7379		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	9077	End	9392
GI	none	Score	71
Exons	9077..9274, 9154..9240, 9173..9262, 9219..9266, 9287..9391, 9314..9391, 9315..9392		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12721	Strand	+
Start	3667	End	8633
Name	OJ990903_18.0103.C8.o2.gs	Method	GENSCAN
Start	3667	End	8633
GI	none	Score	.62
Exons	3667..4515, 5375..5416, 5552..6286, 6493..6602, 7338..7459, 7592..8232, 8286..8633		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12721	Strand	+

Start	3667	End	8633
Name	OJ990903_18.0103.C8.o2.np	Method	AAT/NAP
Start	4077	End	8624
GI	2288997	Score	1325
Exons	4077..4537, 5517..6286, 7354..7470, 7568..8195, 8294..8624		
GI Descrip.	(AC002335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12722	Strand	+
Start	9318	End	10179
Name	OJ990903_18.0103.C8.o3.gs	Method	GENSCAN
Start	9318	End	10179
GI	none	Score	.42
Exons	9318..9498, 9504..9656, 10136..10179		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	836
GI	5441880	Score	508
Exons	1..836		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	1	End	267
GI	none	Score	66
Exons	1..114, 3..113, 114..266, 145..267		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o1.gs	Method	GENSCAN
Start	7	End	3313
GI	none	Score	.46
Exons	7..823, 879..1372, 1975..2114, 2148..2262, 2798..3254, 3256..3313		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12724	Strand	
Start	3583	End	4069
Name	OJ990903_18.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	3583	End	4069
GI	none	Score	149
Exons	3583..3627, 3627..3761, 3646..3762, 3646..3762, 3650..3775, 3651..3764, 3750..3839, 3751..3840, 3834..3962, 3835..3930, 3962..4069, 3973..4068		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o3.ts	Method	TBLASTX:Soybean

Start 4081
 GI none
 Exons 4081..4218, 4234..4449

End 4449
 Score 95

Seq. No. 6044
 Gene No. 12725
 Start 4081
 Name OJ990903_18.0103.C8.o1.tc
 Start 4141
 GI none
 Exons 4141..4215, 4233..4535, 4234..4536

Seq. ID OJ990903_18.0103.C8
 Strand
 End 6280
 Method TBLASTX:Cress
 End 4536
 Score 78

Seq. No. 6044
 Gene No. 12725
 Start 4081
 Name OJ990903_18.0103.C8.o2.tm
 Start 4292
 GI none
 Exons 4292..4531, 4293..4532, 4294..4530, 5549..6091, 5555..6127, 5568..6098, 5710..6126, 6117..6272, 6125..6280, 6125..6271, 6156..6278

Seq. ID OJ990903_18.0103.C8
 Strand
 End 6280
 Method TBLASTX:Maize
 End 6280
 Score 358

Seq. No. 6044
 Gene No. 12725
 Start 4081
 Name OJ990903_18.0103.C8.o1.ts
 Start 5549
 GI none
 Exons 5549..5653, 5717..5983

Seq. ID OJ990903_18.0103.C8
 Strand
 End 6280
 Method TBLASTX:Soybean
 End 5983
 Score 94

Seq. No. 6044
 Gene No. 12725
 Start 4081
 Name OJ990903_18.0103.C8.o2.tc
 Start 5776
 GI none
 Exons 5776..5982, 5777..5989, 5957..6142

Seq. ID OJ990903_18.0103.C8
 Strand
 End 6280
 Method TBLASTX:Cress
 End 6142
 Score 197

Seq. No. 6044
 Gene No. 12726
 Start 7354
 Name OJ990903_18.0103.C8.o1.tm
 Start 7354
 GI none
 Exons 7354..7458, 7368..7466, 7590..7913, 7591..7974, 7591..7992, 7954..8088, 7987..8040, 8036..8194, 8037..8210, 8038..8196, 8198..8602, 8199..8603, 8204..8623, 8503..8622, 8583..8642, 8594..8635

Seq. ID OJ990903_18.0103.C8
 Strand
 End 8642
 Method TBLASTX:Maize
 End 8642
 Score 127

Seq. No. 6044
 Gene No. 12726
 Start 7354
 Name OJ990903_18.0103.C8.o2.ts
 Start 7579
 GI none
 Exons 7579..7761, 7582..7743, 7590..7751

Seq. ID OJ990903_18.0103.C8
 Strand
 End 8642
 Method TBLASTX:Soybean
 End 7761
 Score 243

Seq. No. 6045
 Gene No. 12727
 Start 132
 Name OJ990903_18.0103.C9.o1.gs
 Start 132
 GI none
 Exons 132..497

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 497
 Method GENSCAN
 End 497
 Score .68

Seq. No. 6045
 Gene No. 12728
 Start 3084
 Name OJ990903_18.0103.C9.o2.gs
 Start 3084
 GI none
 Exons 3084..3124, 3208..3925

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 3925
 Method GENSCAN
 End 3925
 Score .86

Seq. No. 6045
 Gene No. 12728
 Start 3084
 Name OJ990903_18.0103.C9.o2.gp
 Start 3261
 GI none
 Exons 3261..3577

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 3925
 Method AAT/GAP
 End 3577
 Score 604

Seq. No. 6045
 Gene No. 12729
 Start 4388
 Name OJ990903_18.0103.C9.o3.gs
 Start 4388
 GI none
 Exons 4388..4528, 5066..5281

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 5281
 Method GENSCAN
 End 5281
 Score .8

Seq. No. 6045
 Gene No. 12730
 Start 11916
 Name OJ990903_18.0103.C9.o2.np
 Start 11916
 GI 5852093
 Exons 11916..12044, 12638..12770, 13137..13363, 15074..15103
 GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 15103
 Method AAT/NAP
 End 15103
 Score 108

Seq. No. 6045
 Gene No. 12730
 Start 11916
 Name OJ990903_18.0103.C9.o3.np
 Start 12192
 GI 5852084
 Exons 12192..12231, 13532..13617
 GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 15103
 Method AAT/NAP
 End 13617
 Score 76

Seq. No. 6045
 Gene No. 12731
 Start 17938
 Name OJ990903_18.0103.C9.o6.np
 Start 17938
 GI 6721561
 Exons 17938..18029, 18495..18566, 19524..19638, 19845..20000

Seq. ID OJ990903_18.0103.C9
 Strand +
 End 20000
 Method AAT/NAP
 End 20000
 Score 101

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12731	Strand	+
Start	17938	End	20000
Name	OJ990903_18.0103.C9.o3.gp	Method	AAT/GAP
Start	18537	End	19102
GI	uC-osflcyp088b12b1	Score	141
Exons	18537..18643, 19060..19102		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12732	Strand	-
Start	7311	End	14543
Name	OJ990903_18.0103.C9.o4.gs	Method	GENSCAN
Start	7311	End	14543
GI	none	Score	.91
Exons	7311..7712, 9491..9673, 12421..12682, 14470..14543		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12732	Strand	-
Start	7311	End	14543
Name	OJ990903_18.0103.C9.o1.np	Method	AAT/NAP
Start	7323	End	12679
GI	6850889	Score	377
Exons	7323..7712, 9491..9657, 12348..12679		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	7314	End	13083
GI	none	Score	392
Exons	7314..7718, 7315..7716, 12972..13082, 12973..13083		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	9527	End	12687
GI	none	Score	75
Exons	9527..9673, 9567..9710, 12394..12687		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	12403	End	12819
GI	none	Score	77
Exons	12403..12513, 12412..12489, 12419..12589, 12532..12660, 12534..12587, 12574..12681, 12638..12682, 12775..12819,		

12789..12815

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o4.np	Method	AAT/NAP
Start	15835	End	18467
GI	6815109	Score	716
Exons	15835..16948, 17016..17121, 18430..18467		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o7.np	Method	AAT/NAP
Start	16400	End	20314
GI	6069654	Score	251
Exons	16400..17047, 18892..20314		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o5.np	Method	AAT/NAP
Start	17816	End	21866
GI	4680183	Score	133
Exons	17816..17958, 21828..21866		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o8.np	Method	AAT/NAP
Start	19889	End	21682
GI	6907088	Score	186
Exons	19889..20279, 20783..21025, 21249..21337, 21648..21682		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6046	Seq. ID	OJ990903_18.0103.C10
Gene No.	12734	Strand	+
Start	1	End	690
Name	OJ990903_18.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	690
GI	5690095	Score	392
Exons	1..690		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	6046	Seq. ID	OJ990903_18.0103.C10
Gene No.	12734	Strand	+
Start	1	End	690
Name	OJ990903_18.0103.C10.o1.gs	Method	GENSCAN
Start	176	End	427
GI	none	Score	.4
Exons	176..427		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+

Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.gs	Method	GENSCAN
Start	1022	End	9963
GI	none	Score	.61
Exons	1022..1163, 1649..1724, 2311..2538, 2624..2736, 3021..3069, 3420..3572, 3841..3977, 4063..4110, 4290..4415, 5895..6015, 8038..8109, 9475..9584, 9667..9785, 9882..9963		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.np	Method	AAT/NAP
Start	2552	End	6063
GI	1001312	Score	311
Exons	2552..2680, 3021..3069, 3420..3572, 3841..3915, 4040..4132, 4321..4411, 4509..4664, 5025..5115, 5215..5300, 5585..5634, 5889..6063		
GI Descrip.	(D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.gp	Method	AAT/GAP
Start	5522	End	6252
GI	none	Score	804
Exons	5522..5629, 5895..6252		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o2.gp	Method	AAT/GAP
Start	8010	End	9568
GI	none	Score	721
Exons	8010..8314, 9475..9568		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o2.np	Method	AAT/NAP
Start	8138	End	9954
GI	6714413	Score	338
Exons	8138..8314, 9475..9584, 9667..9785, 9882..9954		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12736	Strand	-
Start	9922	End	10106
Name	OJ990803_12.0103.C1.o3.gp	Method	AAT/GAP
Start	9922	End	10106
GI	6012852	Score	340
Exons	9922..10106		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	2461	End	5984

GI	none	Score	37
Exons	2461..2523, 2611..2688, 2612..2704, 3019..3105, 3020..3064, 3021..3068, 3418..3570, 3418..3561, 3419..3571, 3419..3562, 3840..3977, 3842..3979, 3844..3978, 4060..4134, 4062..4136, 4063..4131, 4288..4410, 4319..4411, 4323..4412, 4507..4539, 4510..4536, 4512..4544, 4537..4587, 4540..4587, 4664..4759, 4665..4763, 4713..4760, 5014..5115, 5024..5128, 5025..5129, 5219..5293, 5220..5303, 5519..5632, 5547..5633, 5882..5983, 5883..5984		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	8168	End	9948
GI	none	Score	93
Exons	8168..8251, 8254..8313, 9479..9580, 9480..9587, 9667..9762, 9672..9785, 9865..9948, 9865..9948		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	8168	End	9598
GI	none	Score	122
Exons	8168..8251, 8219..8254, 8254..8313, 8259..8330, 9477..9587, 9479..9598		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	8168	End	9948
GI	none	Score	65
Exons	8168..8251, 9477..9587, 9479..9583, 9664..9762, 9690..9770, 9749..9787, 9880..9948		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	8171	End	10069
GI	none	Score	124
Exons	8171..8251, 8254..8313, 8259..8330, 9476..9583, 9476..9583, 9477..9596, 9477..9584, 9667..9762, 9669..9785, 9671..9805, 9880..9951, 9880..9948, 10019..10069		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	9672	End	9987
GI	none	Score	122
Exons	9672..9785, 9672..9785, 9673..9786, 9835..9987, 9880..9987		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-

Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	10882	End	11494
GI	none	Score	289
Exons	10882..11211, 10903..11493, 10940..11494, 11303..11494		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o4.gp	Method	AAT/GAP
Start	10925	End	11073
GI	2796938	Score	277
Exons	10925..11073		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o3.np	Method	AAT/NAP
Start	10948	End	11427
GI	2244822	Score	447
Exons	10948..11427		
GI Descrip.	(Z97336) RNA polymerase II fifth largest subunit like protein [Arabidopsis thaliana]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.gs	Method	GENSCAN
Start	10954	End	11481
GI	none	Score	.73
Exons	10954..11481		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	11170	End	11478
GI	none	Score	133
Exons	11170..11478, 11174..11473		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	11173	End	11493
GI	none	Score	177
Exons	11173..11493, 11174..11473, 11251..11478		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o5.gp	Method	AAT/GAP
Start	11286	End	11491
GI	286317	Score	303
Exons	11286..11491		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
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Gene No.	12738	Strand	+
Start	2330	End	6419
Name	OJ990803_12.0103.C2.o1.np	Method	AAT/NAP
Start	2330	End	6419
GI	1747294	Score	2835
Exons	2330..3169, 4450..4829, 5230..5316, 5414..6419		
GI Descrip.	(D45383) vacuolar H ⁺ -pyrophosphatase [Oryza sativa]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o3.gs	Method	GENSCAN
Start	22338	End	29177
GI	none	Score	.88
Exons	22338..22445, 22500..22643, 23484..23630, 24105..24239, 24820..24937, 25637..25761, 26085..26210, 26298..26378, 26642..26704, 26796..26870, 26965..27043, 27214..27239, 27496..27609, 27783..27896, 27993..28064, 29022..29177		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o2.np	Method	AAT/NAP
Start	22560	End	28064
GI	6166120	Score	1078
Exons	22560..22643, 23484..23630, 24105..24236, 24816..24937, 25637..25761, 26085..26210, 26307..26378, 26642..26718, 26807..26870, 26965..27043, 27139..27239, 27496..27609, 27783..27896, 27993..28064		
GI Descrip.	DIHYDROLIPOAMIDE DEHYDROGENASE (E3 COMPONENT OF PYRUVATE COMPLEX) (LPD) gi 1321941 emb CAA88451 (248564) dihydrolipoamide dehydrogenase [Synechocystis PCC6803]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o2.gp	Method	AAT/GAP
Start	24094	End	24919
GI	LIB3434-060-P1-K1-E6	Score	432
Exons	24094..24239, 24820..24919		
GI Descrip.	'1651828/dbj BAA16755 4.0e-10 (D90900) dihydrolipoamide dehydrogenase [Synechocystis sp.]'		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12740	Strand	+
Start	29471	End	29819
Name	OJ990803_12.0103.C2.o3.gp	Method	AAT/GAP
Start	29471	End	29819
GI	649 1.R1084	Score	655
Exons	29471..29819		
GI Descrip.	'2708634 0.0e+00 (AF036957) gamma-tubulin [Oryza sativa]'		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12740	Strand	+
Start	29471	End	29819
Name	OJ990803_12.0103.C2.o3.np	Method	AAT/NAP
Start	29687	End	29819

GI	640021	Score	215
Exons	29687..29819		
GI Descrip.	(X83695) gamma-tubulin 1 [Zea mays]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	2315	End	6412
GI	none	Score	117
Exons	2315..2446, 2552..2923, 2563..2937, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5230..5310, 5234..5314, 5411..5674, 5415..6410, 5460..5696, 5735..5956, 5799..6029, 6005..6079, 6161..6412		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	2327	End	6422
GI	none	Score	128
Exons	2327..2473, 2330..2446, 2552..2923, 2560..2943, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5233..5310, 5234..5314, 5411..5674, 5415..6422, 5735..5956, 5937..6158, 6161..6418		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	2336	End	6422
GI	none	Score	105
Exons	2336..2470, 2546..2923, 2557..2943, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5197..5313, 5234..5314, 5411..5674, 5415..6422, 5735..5956, 5799..6155, 6161..6418		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	5230	End	5714
GI	none	Score	117
Exons	5230..5310, 5234..5314, 5411..5674, 5412..5714		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o4.tw	Method	TBLASTX:Wheat
Start	5853	End	6050
GI	none	Score	278
Exons	5853..6050, 5856..6047		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	6051	End	6422
GI	none	Score	474

Exons 6051..6422, 6081..6158, 6161..6421

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	7959	End	9892
GI	none	Score	35
Exons	7959..7994, 8065..8481, 8083..8400, 8398..8475, 8410..8505, 8455..8505, 8895..9005, 8898..8999, 8899..9036, 9087..9197, 9087..9197, 9088..9225, 9269..9403, 9269..9385, 9270..9401, 9271..9417, 9482..9586, 9484..9615, 9533..9649, 9716..9892, 9717..9884, 9718..9885		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.gs	Method	GENSCAN
Start	8041	End	18931
GI	none	Score	.71
Exons	8041..8503, 8695..8790, 8894..9003, 9271..9402, 9820..9930, 10079..10183, 10745..10850, 10949..11026, 12027..12097, 12910..13005, 13097..13174, 13427..13494, 13648..13725, 13799..13898, 14654..14719, 14944..15023, 15988..16053, 16445..16544, 17062..17142, 17802..17984, 18510..18676, 18800..18883, 18925..18931		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	8410	End	9888
GI	none	Score	35
Exons	8410..8475, 8437..8577, 8902..8967, 8904..9008, 9087..9224, 9088..9195, 9251..9409, 9269..9370, 9271..9417, 9484..9615, 9515..9586, 9718..9888		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o3.tw	Method	TBLASTX:Wheat
Start	8745	End	9534
GI	none	Score	42
Exons	8745..8792, 8746..8793, 8898..8999, 8899..9036, 8904..9005, 9087..9197, 9087..9197, 9088..9225, 9269..9403, 9269..9385, 9271..9417, 9484..9534		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o4.tc	Method	TBLASTX:Cress
Start	9087	End	9411
GI	none	Score	141
Exons	9087..9191, 9271..9411		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-

Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.gp	Method	AAT/GAP
Start	9777	End	12980
GI	none	Score	886
Exons	9777..9872, 10079..10183, 10745..10850, 10949..11026, 12027..12097, 12910..12980		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o5.tm	Method	TBLASTX:Maize
Start	10089	End	12082
GI	none	Score	87
Exons	10089..10187, 10098..10184, 10100..10189, 10103..10198, 10108..10191, 10740..10772, 10742..10774, 10775..10849, 10781..10855, 10791..10850, 10940..11053, 10940..11032, 10948..11034, 12026..12082		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	23476	End	28313
GI	none	Score	253
Exons	23476..23631, 23481..23633, 23483..23638, 23483..23656, 24101..24238, 24102..24239, 24102..24239, 24819..24938, 24819..24938, 24820..24942, 24820..24951, 25620..25787, 25636..25764, 26037..26213, 26082..26213, 26140..26214, 26297..26380, 26298..26381, 26627..26710, 26627..26704, 26641..26709, 26793..26873, 26796..26873, 26797..26874, 26963..27058, 26965..27057, 27130..27228, 27137..27238, 27138..27239, 27138..27242, 27487..27612, 27493..27609, 27735..27896, 27748..27897, 27780..27896, 27782..27904, 27978..28070, 27990..28070, 28158..28313, 28159..28308		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	23583	End	26709
GI	none	Score	71
Exons	23583..23633, 24101..24232, 24102..24239, 24843..24938, 24844..24942, 25620..25784, 25636..25764, 26010..26213, 26082..26213, 26297..26380, 26298..26381, 26647..26709, 26651..26707		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	25662	End	28079
GI	none	Score	102
Exons	25662..25763, 25662..25787, 25663..25764, 25691..25768, 26082..26213, 26084..26194, 26295..26390, 26297..26395, 26298..26381, 26640..26705, 26641..26703, 26642..26707, 26795..26872, 26796..26873, 26812..26877, 26963..27052, 26964..27038, 26965..27057, 26965..27054, 27135..27239,		

27137..27238, 27146..27247, 27487..27612, 27495..27569,
27774..27863, 27780..27896, 27782..27889, 27990..28079,
27990..28052

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o3.tc	Method	TBLASTX:Cress
Start	26830	End	27570
GI	none	Score	41
Exons	26830..26874, 26830..26871, 26963..27043, 26964..27038, 26965..27057, 26965..27057, 27119..27238, 27138..27239, 27487..27570, 27495..27569		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12743	Strand	
Start	29672	End	29817
Name	OJ990803_12.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	29672	End	29812
GI	none	Score	232
Exons	29672..29812, 29677..29811		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12743	Strand	
Start	29672	End	29817
Name	OJ990803_12.0103.C2.o4.ts	Method	TBLASTX:Soybean
Start	29684	End	29817
GI	none	Score	225
Exons	29684..29815, 29686..29811, 29722..29817		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.np	Method	AAT/NAP
Start	545	End	3344
GI	2708634	Score	1905
Exons	545..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2549..2593, 2674..2802, 3115..3219, 3294..3344		
GI Descrip.	(AF036957) gamma-tubulin [Oryza sativa]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.gs	Method	GENSCAN
Start	623	End	3949
GI	none	Score	.9
Exons	623..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2674..2802, 3115..3219, 3791..3949		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.gp	Method	AAT/GAP
Start	664	End	3347
GI	649_1.R1084	Score	2363
Exons	664..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2549..2593, 2674..2802, 3115..3219, 3294..3347		

GI Descrip. '2708634 0.0e+00 (AF036957) gamma-tubulin [Oryza sativa]'

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.gp	Method	AAT/GAP
Start	14084	End	15819
GI	43664_1.R1084	Score	1101
Exons	14084..14322, 14802..14886, 15097..15194, 15284..15339, 15684..15819		

GI Descrip. '1848212/emb|CAA72092| 9.0e-76 (Y11209) protein disulfide-isomerase precursor [Nicotiana tabacum]'

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.gs	Method	GENSCAN
Start	14150	End	17058
GI	none	Score	.91
Exons	14150..14322, 14802..14886, 15097..15194, 15251..15339, 15684..15801, 15895..15922, 16015..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17058		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.np	Method	AAT/NAP
Start	14168	End	17052
GI	1848212	Score	1098
Exons	14168..14322, 14802..14886, 15097..15194, 15284..15339, 15684..15801, 15895..15922, 16015..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17052		
GI Descrip.	(Y11209) protein disulfide-isomerase precursor [Nicotiana tabacum]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o4.gp	Method	AAT/GAP
Start	15986	End	17451
GI	23106_1.R1084	Score	1776
Exons	15986..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17451		
GI Descrip.	'729442/sp P38661 ERP5_MEDSA 6.0e-71 PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR>gi_166380 (M80235) glucose-regulated endoplasmic reticular protein precursor [Medicago sativa]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12746	Strand	+
Start	19567	End	22710
Name	OJ990803_12.0103.C3.o5.gs	Method	GENSCAN
Start	19567	End	22710
GI	none	Score	.52
Exons	19567..19569, 20693..21138, 21514..21631, 21688..21901, 22367..22710		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
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Gene No. 12747
 Start 4435
 Name OJ990803_12.0103.C3.o2.gp
 Start 4435
 GI none
 Exons 4435..4914

Strand -
 End 4914
 Method AAT/GAP
 End 4914
 Score 948

Seq. No. 6049
 Gene No. 12748
 Start 5088
 Name OJ990803_12.0103.C3.o2.np
 Start 4794
 GI 2494162
 Exons 4794..4985, 5094..5165, 5578..5655, 5752..5811, 6363..6449, 6571..6687, 6892..7012, 7880..8012, 8256..8468
 GI Descrip. HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR gi|3879803|emb|CAA87414.1| (Z47356) similar to DNAJ [Caenorhabditis elegans]

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 10407
 Method AAT/NAP
 End 8468
 Score 483

Seq. No. 6049
 Gene No. 12748
 Start 5088
 Name OJ990803_12.0103.C3.o2.gs
 Start 5088
 GI none
 Exons 5088..5165, 5713..5811, 6363..6449, 6571..6687, 6892..7012, 7880..8012, 8256..8404, 8659..8750, 8756..9083, 9728..9770, 10323..10407

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 10407
 Method GENSCAN
 End 10407
 Score .65

Seq. No. 6049
 Gene No. 12749
 Start 18364
 Name OJ990803_12.0103.C3.o4.gs
 Start 18364
 GI none
 Exons 18364..19003, 19176..19228

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 21025
 Method GENSCAN
 End 19228
 Score .91

Seq. No. 6049
 Gene No. 12749
 Start 18364
 Name OJ990803_12.0103.C3.o4.np
 Start 18498
 GI 3643593
 Exons 18498..19003, 20190..20287, 20894..21025
 GI Descrip. (AC005395) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 21025
 Method AAT/NAP
 End 21025
 Score 321

Seq. No. 6049
 Gene No. 12750
 Start 23611
 Name OJ990803_12.0103.C3.o6.gs
 Start 23611
 GI none
 Exons 23611..23688, 24878..25150

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 25150
 Method GENSCAN
 End 25150
 Score .71

Seq. No. 6049
 Gene No. 12750
 Start 23611

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 25150

Name	OJ990803_12.0103.C3.o5.gp	Method	AAT/GAP
Start	24008	End	24097
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	24008..24097		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o7.gs	Method	GENSCAN
Start	27686	End	34074
GI	none	Score	.68
Exons	27686..27831, 27854..27965, 28043..28675, 30368..30475, 30514..30645, 30753..31034, 31676..31730, 34007..34074		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o6.gp	Method	AAT/GAP
Start	28043	End	28535
GI	18284_1.R1084	Score	710
Exons	28043..28535		
GI Descrip.	'416316/gb U03445 PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o7.gp	Method	AAT/GAP
Start	29933	End	29989
GI	16490_1.R1084	Score	86
Exons	29933..29989		
GI Descrip.	'4584525/emb CAB40756.1 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o8.tw	Method	TBLASTX:Wheat
Start	651	End	863
GI	none	Score	.187
Exons	651..782, 655..792, 662..859, 666..863		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	663	End	1529
GI	none	Score	357
Exons	663..866, 665..859, 676..867, 688..870, 1055..1150, 1056..1169, 1058..1171, 1083..1172, 1377..1529, 1381..1527		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386

Name OJ990803_12.0103.C3.o9.tw
 Start 1381
 GI none
 Exons 1381..1485, 1468..1731

Method TBLASTX:Wheat
 End 1731
 Score 64

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o1.tc
 Start 1467
 GI none
 Exons 1467..1763, 1468..1761

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Cress
 End 1763
 Score 493

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o1.tm
 Start 1467
 GI none
 Exons 1467..1787, 1468..1785, 1982..2038, 1984..2037, 2118..2234, 2119..2235, 2398..2475, 2399..2482, 2546..2596, 2548..2595, 2671..2799, 2672..2803, 2673..2807, 2673..2843, 3113..3220, 3115..3219, 3162..3221, 3285..3353, 3285..3350

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Maize
 End 3353
 Score 497

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o2.ts
 Start 1549
 GI none
 Exons 1549..1782, 1549..1782, 1550..1783, 1551..1790, 1982..2035, 1987..2037, 2118..2234, 2119..2235

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Soybean
 End 2235
 Score 391

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o3.tc
 Start 2118
 GI none
 Exons 2118..2234, 2119..2235, 2392..2475, 2392..2475, 2399..2482, 2545..2595, 2546..2596, 2671..2745, 2673..2744

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Cress
 End 2745
 Score 185

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o3.tw
 Start 2155
 GI none
 Exons 2155..2235, 2156..2233, 2157..2240, 2396..2476, 2397..2468, 2399..2482, 2532..2594, 2546..2596, 2548..2595, 2671..2799, 2672..2803, 2673..2843, 2675..2803, 3102..3194, 3113..3202, 3115..3201

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Wheat
 End 3202
 Score 120

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o5.tc

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Cress

Start	4797	End	4995
GI	none	Score	140
Exons	4797..4985, 4855..4986, 4882..4995		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o6.tm	Method	TBLASTX:Maize
Start	4827	End	5135
GI	none	Score	220
Exons	4827..5015, 4828..4986, 4847..4987, 5067..5135, 5070..5129, 5084..5131		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.ts	Method	TBLASTX:Soybean
Start	4833	End	8404
GI	none	Score	154
Exons	4833..5015, 4834..4983, 6889..6969, 6891..6980, 6904..6975, 8248..8403, 8249..8404		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	5065	End	7977
GI	5606980	Score	64
Exons	5065..5160, 5079..5165, 5575..5658, 5576..5656, 5752..5814, 6293..6397, 6361..6450, 6363..6452, 6363..6449, 6568..6687, 6569..6688, 6571..6690, 7933..7977		

GI Descrip. 2494162/sp_Q10005_YRY1_CAEEL 1.0e-37 HYPOTHETICAL 39.9 KD
 PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR
 >gi_3879803_emb_CAA87414_ (Z47356) similar to DNAJ
 [Caenorhabditis elegans].

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	5764	End	7992
GI	none	Score	127
Exons	5764..5814, 6361..6450, 6363..6452, 6363..6449, 6568..6687, 6569..6691, 6570..6710, 6889..7014, 6891..6941, 6898..6990, 7864..7929, 7877..7933, 7933..7992, 7937..7990		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.tc	Method	TBLASTX:Cress
Start	7931	End	8418
GI	none	Score	65
Exons	7931..8023, 7933..8013, 8248..8418, 8318..8404		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386

Name	OJ990803_12.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	14251	End	17049
GI	none	Score	104
Exons	14251..14325, 14252..14323, 14802..14888, 14802..14888, 14803..14892, 14803..14892, 15076..15174, 15079..15201, 15082..15195, 15093..15200, 15282..15341, 15284..15343, 15685..15804, 15686..15802, 15770..15802, 15896..15922, 15896..15922, 16018..16110, 16020..16109, 16348..16476, 16348..16506, 16351..16506, 16352..16507, 16585..16716, 16589..16717, 16794..16898, 16795..16899, 16978..17049, 16989..17045		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	14252	End	17058
GI	none	Score	109
Exons	14252..14323, 14257..14325, 14793..14888, 14794..14892, 14802..14918, 14803..14892, 14803..14892, 15076..15180, 15079..15201, 15096..15200, 15282..15362, 15284..15343, 15665..15802, 15681..15806, 15685..15822, 15722..15802, 15895..15921, 15895..15921, 15896..15922, 16014..16112, 16018..16110, 16018..16110, 16348..16476, 16348..16506, 16350..16502, 16585..16713, 16589..16717, 16795..16899, 16797..16895, 16974..17045, 16978..17058		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.tw	Method	TBLASTX:Wheat
Start	14802	End	16638
GI	none	Score	92
Exons	14802..14882, 14803..14892, 15076..15180, 15082..15177, 15680..15802, 15689..15802, 15690..15806, 15894..15920, 15896..15925, 16010..16111, 16015..16110, 16020..16124, 16347..16514, 16348..16518, 16349..16516, 16350..16523, 16588..16638		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	16622	End	17064
GI	none	Score	98
Exons	16622..16717, 16624..16713, 16795..16899, 16798..16899, 16806..16907, 16974..17057, 16977..17060, 16987..17064		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.np	Method	AAT/NAP
Start	34255	End	39386
GI	2583130	Score	1716
Exons	34255..34327, 35305..35829, 35890..39386		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o5.tw
 Start 35841
 GI none
 Exons 35841..36248

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Wheat
 End 36248
 Score 298

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o6.tw
 Start 36639
 GI none
 Exons 36639..36860, 36640..36786

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Wheat
 End 36860
 Score 85

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o3.tm
 Start 36699
 GI none
 Exons 36699..37058, 36702..37037, 36859..37059

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Maize
 End 37059
 Score 93

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o6.ts
 Start 36705
 GI none
 Exons 36705..36923, 36921..37124

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Soybean
 End 37124
 Score 128

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o2.tw
 Start 36861
 GI none
 Exons 36861..37244, 36889..37245

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Wheat
 End 37245
 Score 236

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o4.tm
 Start 37209
 GI none
 Exons 37209..37349, 37371..37694, 37420..37482, 37513..37650, 37677..37841

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Maize
 End 37841
 Score 72

Seq. No. 6049
 Gene No. 12752
 Start 34255
 Name OJ990803_12.0103.C3.o7.ts
 Start 37365
 GI none
 Exons 37365..37652

Seq. ID OJ990803_12.0103.C3
 Strand -
 End 39386
 Method TBLASTX:Soybean
 End 37652
 Score 193

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	37416	End	37797
GI	none	Score	170
Exons	37416..37583, 37417..37590, 37425..37613, 37507..37593, 37578..37796, 37618..37797		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o7.tw	Method	TBLASTX:Wheat
Start	38895	End	39281
GI	none	Score	53
Exons	38895..39101, 38944..39087, 39090..39281, 39182..39223		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	707
GI	1171577	Score	483
Exons	1..707		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.gs	Method	GENSCAN
Start	105	End	692
GI	none	Score	.72
Exons	105..692		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	157	End	674
GI	none	Score	61
Exons	157..246, 159..278, 291..434, 444..674, 583..660		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o3.gp	Method	AAT/GAP
Start	10411	End	15373
GI	1069_1.R1084	Score	5004
Exons	10411..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12161..12324, 12424..12502, 13600..13728, 13806..13933, 14032..14403, 14493..15373		
GI Descrip.	'2191172 3.0e-14 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]'		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+

Start	10555	End	21232
Name	OJ990803_12.0103.C5.o1.np	Method	AAT/NAP
Start	10555	End	14398
GI	6682927	Score	2454
Exons	10555..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12161..12324, 12424..12502, 13600..13728, 13806..13933, 14032..14398		

GI Descrip. (AB024311) importin alpha 1b [Oryza sativa]

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o2.gs	Method	GENSCAN
Start	10555	End	21232
GI	none	Score	.67
Exons	10555..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12188..12324, 12424..12502, 13600..13728, 13806..13911, 14088..14381, 15971..16002, 18854..18953, 19047..19099, 20120..20344, 20664..20741, 20996..21232		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o2.np	Method	AAT/NAP
Start	11881	End	20425
GI	2191172	Score	137
Exons	11881..12039, 19072..19163, 20120..20250, 20343..20425		
GI Descrip.	(AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o4.gp	Method	AAT/GAP
Start	18756	End	20442
GI	2798782	Score	1154
Exons	18756..18953, 19047..19163, 20120..20442		
GI Descrip.	2191172 3.0e-14 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o1.gs	Method	GENSCAN
Start	1355	End	8851
GI	none	Score	.63
Exons	1355..1500, 2030..2166, 3857..3945, 4146..4289, 4557..4763, 5322..5438, 6535..6673, 7105..7211, 7306..7382, 8412..8549, 8587..8851		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o1.gp	Method	AAT/GAP
Start	3613	End	4241
GI	none	Score	782
Exons	3613..3945, 4146..4241		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o2.gp	Method	AAT/GAP
Start	6612	End	7599
GI	568512	Score	552
Exons	6612..6673, 7105..7211, 7306..7382, 7496..7599		
Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o5.gp	Method	AAT/GAP
Start	21670	End	23176
GI	37014_1.R1084	Score	992
Exons	21670..22077, 22163..22266, 23143..23176		
GI Descrip.	'4836948/gb AAD30650.1 AC006085.23 3.0e-34 (AC006085) Similar to human CGI-33 protein [Arabidopsis thaliana]'		
Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o3.gs	Method	GENSCAN
Start	21711	End	25027
GI	none	Score	.98
Exons	21711..21776, 21966..22077, 22163..22266, 23143..23318, 24302..24463, 24829..25027		
Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o3.np	Method	AAT/NAP
Start	21714	End	25084
GI	4836948	Score	724
Exons	21714..21776, 21966..22077, 22163..22266, 23143..23326, 24221..24472, 24886..25084		
GI Descrip.	(AC006085) Similar to human CGI-33 protein [Arabidopsis thaliana]		
Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o6.gp	Method	AAT/GAP
Start	23282	End	25094
GI	uC-osflcyp080c04b1	Score	829
Exons	23282..23318, 24302..24463, 24829..25094		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	3797	End	3943
GI	none	Score	151
Exons	3797..3943, 3805..3936		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	7320	End	8707
GI	none	Score	79
Exons	7320..7385, 7320..7379, 7321..7383, 7494..7580, 7495..7593, 8412..8555, 8413..8571, 8639..8707		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	10540	End	14421
GI	none	Score	227
Exons	10540..10710, 10887..10985, 10889..10984, 11461..11556, 11463..11552, 11645..11743, 11648..11782, 11650..11781, 11883..12074, 11884..12075, 12152..12361, 12154..12360, 12176..12322, 12224..12322, 12394..12498, 12422..12502, 13585..13731, 13588..13728, 13603..13731, 13621..13710, 13649..13732, 13797..13937, 13805..13936, 14026..14142, 14026..14163, 14030..14164, 14168..14329, 14168..14356, 14235..14357, 14337..14405, 14371..14421		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	10552	End	10710
GI	none	Score	236
Exons	10552..10710		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	10555	End	10710
GI	none	Score	237
Exons	10555..10710		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	10883	End	14394
GI	none	Score	113
Exons	10883..10984, 10884..10985, 11461..11556, 11463..11546, 11647..11781, 11648..11782, 11883..12074, 11884..12075, 12152..12361, 12157..12366, 12160..12360, 12182..12322, 12406..12510, 12425..12511, 13597..13728, 13597..13731, 13605..13730, 13610..13732, 13610..13732, 13797..13937, 13805..13933, 14026..14145, 14026..14163, 14030..14164, 14152..14355, 14168..14329, 14171..14380, 14173..14355, 14365..14394		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-

Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	10935	End	15025
GI	none	Score	66
Exons	10935..10985, 11458..11520, 11459..11554, 11461..11556, 11462..11554, 11463..11555, 11648..11782, 11648..11758, 11649..11783, 11650..11781, 11654..11773, 11710..11784, 11859..12074, 11884..12075, 11887..12048, 12152..12325, 12157..12348, 12159..12320, 12160..12360, 12182..12322, 12182..12322, 12409..12519, 12425..12502, 13597..13728, 13597..13728, 13797..13937, 13804..13935, 13805..13936, 14025..14180, 14030..14332, 14033..14362, 14301..14402, 14365..14406, 14366..14404, 14510..14557, 14511..14570, 14573..14629, 14577..14627, 14638..14664, 14667..14699, 14668..14697, 14751..14771, 14752..14772, 14775..14825, 14783..14821, 14842..14898, 14875..14904, 14891..15025, 14913..14969		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	12164	End	14336
GI	none	Score	94
Exons	12164..12322, 13627..13743, 13633..13728, 13635..13730, 13661..13732, 13666..13710, 13797..13937, 13802..13936, 13803..13937, 13833..13913, 14026..14166, 14030..14167, 14165..14317, 14168..14317, 14229..14336		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	21534	End	25040
GI	none	Score	36
Exons	21534..21560, 21675..21779, 21684..21779, 21963..22076, 21963..22076, 21964..22077, 21965..22081, 22160..22267, 22162..22266, 22165..22269, 23141..23323, 23141..23317, 23143..23319, 24283..24465, 24285..24464, 24840..24872, 24866..24919, 24870..24929, 24933..24968, 24990..25040		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	23125	End	24359
GI	none	Score	160
Exons	23125..23319, 23141..23323, 24285..24359		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	23125	End	24465
GI	none	Score	174
Exons	23125..23319, 23141..23323, 24285..24464, 24301..24465		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o4.gs	Method	GENSCAN
Start	25894	End	29363
GI	none	Score	.43
Exons	25894..25980, 29175..29363		
Seq. No.	6052	Seq. ID	OJ990803_12.0103.C6
Gene No.	12758	Strand	+
Start	131	End	278
Name	OJ990803_12.0103.C6.o1.np	Method	AAT/NAP
Start	131	End	278
GI	2792214	Score	89
Exons	131..278		
GI Descrip.	(AF032685) NBS-LRR type resistance protein [Hordeum vulgare]		
Seq. No.	6053	Seq. ID	OJ990803_12.0103.C7
Gene No.	12759	Strand	-
Start	178	End	378
Name	OJ990803_12.0103.C7.o1.gs	Method	GENSCAN
Start	178	End	378
GI	none	Score	.97
Exons	178..378		
Seq. No.	6054	Seq. ID	OJ990713_08.0128.C1
Gene No.	12760	Strand	+
Start	95	End	471
Name	OJ990713_08.0128.C1.o1.gs	Method	GENSCAN
Start	95	End	471
GI	none	Score	.9
Exons	95..172, 360..471		
Seq. No.	6054	Seq. ID	OJ990713_08.0128.C1
Gene No.	12761	Strand	+
Start	390	End	566
Name	OJ990713_08.0128.C1.o1.np	Method	AAT/NAP
Start	390	End	566
GI	6759431	Score	96
Exons	390..566		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		
Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12762	Strand	+
Start	1426	End	2318
Name	OJ990713_08.0128.C2.o1.np	Method	AAT/NAP
Start	1426	End	2318
GI	6069646	Score	399
Exons	1426..2318		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-

Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.gs	Method	GENSCAN
Start	458	End	3254
GI	none	Score	.51
Exons	458..592, 1482..1753, 1950..2014, 2019..2137, 3234..3254		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	473	End	730
GI	none	Score	81
Exons	473..730, 477..695		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	695	End	2042
GI	none	Score	60
Exons	695..910, 719..907, 1848..1970, 1980..2042		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	1737	End	2288
GI	none	Score	290
Exons	1737..2288, 1859..2107		

Seq. No.	6056	Seq. ID	OJ990713_08.0128.C3
Gene No.	12764	Strand	+
Start	63	End	3688
Name	OJ990713_08.0128.C3.o1.gs	Method	GENSCAN
Start	63	End	3688
GI	none	Score	.76
Exons	63..176, 284..475, 1496..1612, 3251..3382, 3515..3688		

Seq. No.	6056	Seq. ID	OJ990713_08.0128.C3
Gene No.	12765	Strand	+
Start	3838	End	6740
Name	OJ990713_08.0128.C3.o2.gs	Method	GENSCAN
Start	3838	End	6740
GI	none	Score	.55
Exons	3838..4031, 4124..4229, 5231..5249, 5593..5712, 6344..6426, 6578..6740		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12766	Strand	+
Start	121	End	254
Name	OJ990713_08.0128.C4.o1.gs	Method	GENSCAN
Start	121	End	254
GI	none	Score	.99
Exons	121..254		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12767	Strand	+

Start	9957	End	10274
Name	OJ990713_08.0128.C4.o2.gp	Method	AAT/GAP
Start	9957	End	10274
GI	none	Score	628
Exons	9957..10274		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12768	Strand	+
Start	15660	End	16043
Name	OJ990713_08.0128.C4.o2.np	Method	AAT/NAP
Start	15660	End	16043
GI	3790593	Score	154
Exons	15660..15730, 15806..16043		
GI Descrip.	(AF079185) RING-H2 finger protein RHY1a [Arabidopsis thaliana]		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12769	Strand	-
Start	2516	End	2910
Name	OJ990713_08.0128.C4.o1.gp	Method	AAT/GAP
Start	2516	End	2910
GI	5607590	Score	554
Exons	2516..2665, 2770..2910		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o3.gs	Method	GENSCAN
Start	10157	End	14598
GI	none	Score	.76
Exons	10157..10720, 10814..11380, 11479..12105, 12682..13002, 13337..13528, 14321..14527, 14536..14598		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o1.np	Method	AAT/NAP
Start	10160	End	12152
GI	6522918	Score	936
Exons	10160..10534, 10610..10720, 10814..10976, 11034..11380, 11447..11635, 11705..12152		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o3.gp	Method	AAT/GAP
Start	11990	End	12699
GI	uC-osroM202039h08b1	Score	468
Exons	11990..12105, 12207..12276, 12622..12699		
GI Descrip.	'1946367 5.0e-09 (U93215) unknown protein [Arabidopsis thaliana]'		
Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	2475	End	2867

GI	none	Score	56
Exons	2475..2522, 2476..2523, 2583..2666, 2596..2691, 2768..2857, 2769..2867, 2774..2854		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	2592	End	2862
GI	none	Score	132
Exons	2592..2675, 2596..2679, 2635..2676, 2759..2860, 2760..2861, 2763..2861, 2764..2862		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.tm	Method	TBLASTX:Maize
Start	6417	End	8796
GI	none	Score	119
Exons	6417..6557, 6419..6547, 7887..8069, 7935..8054, 7936..8097, 8602..8793, 8603..8794, 8604..8789, 8604..8795, 8605..8796		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.tc	Method	TBLASTX:Cress
Start	6422	End	8813
GI	none	Score	94
Exons	6422..6559, 6423..6557, 7819..7881, 7825..8073, 7938..8075, 7939..8082, 7941..8075, 8604..8813, 8606..8788		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.ts	Method	TBLASTX:Soybean
Start	8627	End	8842
GI	none	Score	122
Exons	8627..8719, 8628..8720, 8702..8842, 8703..8804		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	10158	End	11089
GI	none	Score	39
Exons	10158..10184, 10163..10186, 10165..10194, 10175..10276, 10182..10277, 10182..10277, 10368..10487, 10373..10450, 10560..10727, 10562..10720, 10793..10972, 10802..11011, 10815..10985, 10979..11032, 10998..11045, 11042..11089		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	10562	End	11011
GI	none	Score	117
Exons	10562..10720, 10575..10715, 10814..11011, 10815..10991		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.tc	Method	TBLASTX:Cress
Start	10562	End	10964
GI	none	Score	93
Exons	10562..10717, 10575..10727, 10814..10963, 10815..10964		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	10634	End	10984
GI	none	Score	87
Exons	10634..10717, 10638..10724, 10814..10954, 10814..10984, 10824..10964		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.tc	Method	TBLASTX:Cress
Start	11133	End	11326
GI	none	Score	55
Exons	11133..11189, 11147..11236, 11240..11326, 11241..11324		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	11243	End	11631
GI	none	Score	144
Exons	11243..11380, 11244..11372, 11470..11631		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	11770	End	12275
GI	none	Score	117
Exons	11770..12096, 11815..12030, 11864..12082, 12201..12275		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.tm	Method	TBLASTX:Maize
Start	11773	End	12033
GI	none	Score	113
Exons	11773..12033, 11876..12019		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tc	Method	TBLASTX:Cress
Start	11794	End	12281
GI	none	Score	81
Exons	11794..12042, 11815..11982, 11867..12028, 12061..12093,		

12207..12281

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	14339	End	16049
GI	none	Score	38
Exons	14339..14365, 14495..14572, 14495..14572, 14503..14586, 14691..14726, 15465..15503, 15472..15783, 15480..16049, 15486..16049		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	15897	End	16034
GI	none	Score	203
Exons	15897..16025, 15900..16034		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.np	Method	AAT/NAP
Start	17037	End	19495
GI	3309620	Score	699
Exons	17037..17618, 17758..19495		
GI Descrip.	(AF074916) resistance to Pseudomonas syringae protein 5 [Arabidopsis thaliana]		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.gs	Method	GENSCAN
Start	17043	End	20086
GI	none	Score	.96
Exons	17043..19253, 19264..20086		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	18072	End	19199
GI	none	Score	34
Exons	18072..18239, 18363..18470, 18570..18725, 18583..18714, 18786..19058, 18793..18879, 18954..19058, 19086..19199		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o6.tm	Method	TBLASTX:Maize
Start	18873	End	19326
GI	none	Score	71
Exons	18873..19061, 18877..18996, 18951..19082, 19044..19163, 19050..19199, 19244..19324, 19261..19326		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
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Gene No. 12772
 Start 6813
 Name OJ990713_08.0128.C5.o2.gs
 Start 6813
 GI none
 Exons 6813..9539

Strand +
 End 9539
 Method GENSCAN
 End 9539
 Score 1

Seq. No. 6058
 Gene No. 12773
 Start 3070
 Name OJ990713_08.0128.C5.o1.gs
 Start 3070
 GI none
 Exons 3070..3372, 4607..4848, 5181..5226, 5896..5931

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 5931
 Method GENSCAN
 End 5931
 Score .73

Seq. No. 6058
 Gene No. 12774
 Start 10643
 Name OJ990713_08.0128.C5.o3.gs
 Start 10643
 GI none
 Exons 10643..10897, 11001..11648, 12135..12291, 12390..12466

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 12466
 Method GENSCAN
 End 12466
 Score .79

Seq. No. 6058
 Gene No. 12775
 Start 13372
 Name OJ990713_08.0128.C5.o2.tc
 Start 7314
 GI none
 Exons 7314..7403, 7414..7449, 7542..7646, 7659..7931, 7853..7927, 8019..8159, 8024..8146, 8235..8309, 8252..8311, 8454..8672, 8487..8606, 9204..9320, 9206..9298

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 21827
 Method TBLASTX:Cress
 End 9320
 Score 72

Seq. No. 6058
 Gene No. 12775
 Start 13372
 Name OJ990713_08.0128.C5.o1.tm
 Start 10716
 GI none
 Exons 10716..10829, 10716..10898, 10717..10887, 10721..10912, 10962..11363, 11019..11306, 11020..11310, 11301..11609, 11311..11610, 11311..11610

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 21827
 Method TBLASTX:Maize
 End 11610
 Score 89

Seq. No. 6058
 Gene No. 12775
 Start 13372
 Name OJ990713_08.0128.C5.o1.ts
 Start 11070
 GI none
 Exons 11070..11363, 11074..11310, 11301..11459, 11311..11445, 11313..11459

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 21827
 Method TBLASTX:Soybean
 End 11459
 Score 212

Seq. No. 6058
 Gene No. 12775
 Start 13372
 Name OJ990713_08.0128.C5.o1.gp
 Start 13153

Seq. ID OJ990713_08.0128.C5
 Strand -
 End 21827
 Method AAT/GAP
 End 15213

GI 22567_1.R1084 Score 1283
 Exons 13153..13544, 14241..14347, 14929..15066, 15144..15213
 GI Descrip. '5689994/emb|CAB52039.1| 6.0e-11 (AL109731) hypothetical protein [Schizosaccharomyces pombe]'

Seq. No. 6058 Seq. ID OJ990713_08.0128.C5
 Gene No. 12775 Strand -
 Start 13372 End 21827
 Name OJ990713_08.0128.C5.o3.tc Method TBLASTX:Cress
 Start 13219 End 15009
 GI none Score 156
 Exons 13219..13281, 13372..13542, 13382..13543, 14234..14350, 14242..14349, 14928..15008, 14953..15009

Seq. No. 6058 Seq. ID OJ990713_08.0128.C5
 Gene No. 12775 Strand -
 Start 13372 End 21827
 Name OJ990713_08.0128.C5.o3.tm Method TBLASTX:Maize
 Start 13369 End 15009
 GI none Score 181
 Exons 13369..13545, 13372..13542, 13373..13543, 14222..14350, 14240..14311, 14242..14358, 14242..14349, 14928..15008, 14953..15009

Seq. No. 6058 Seq. ID OJ990713_08.0128.C5
 Gene No. 12775 Strand -
 Start 13372 End 21827
 Name OJ990713_08.0128.C5.o4.gs Method GENSCAN
 Start 13372 End 21827
 GI none Score .74
 Exons 13372..13544, 14241..14347, 14929..15143, 16099..16119, 16253..16321, 16808..16873, 16996..17086, 17544..17677, 18504..18698, 19171..19300, 20158..20332, 20944..21025, 21678..21827

Seq. No. 6058 Seq. ID OJ990713_08.0128.C5
 Gene No. 12775 Strand -
 Start 13372 End 21827
 Name OJ990713_08.0128.C5.o4.ts Method TBLASTX:Soybean
 Start 13378 End 15008
 GI none Score 172
 Exons 13378..13545, 13382..13531, 13393..13542, 14222..14350, 14242..14349, 14928..15008

Seq. No. 6058 Seq. ID OJ990713_08.0128.C5
 Gene No. 12775 Strand -
 Start 13372 End 21827
 Name OJ990713_08.0128.C5.o2.gp Method AAT/GAP
 Start 15834 End 16869
 GI 4392_1.R1084 Score 1033
 Exons 15834..16119, 16253..16321, 16422..16485, 16590..16672, 16808..16869
 GI Descrip. '585350/sp|Q08466|KC22_ARATH 5.0e-50 CASEIN KINASE II, ALPHA CHAIN 2 (CK II) >gi_419753_pir_S31099 casein kinase II (EC 2.7.1.-) alpha-type chain (clone ATCKA2) - Arabidopsis thaliana >gi_391605_dbj_BAA01091 (D10247) casein kinase II catalytic subunit [Arabidopsis thaliana]'

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	16051	End	20226
GI	none	Score	56
Exons	16051..16116, 16253..16324, 16254..16322, 16416..16487, 16417..16488, 16586..16675, 16590..16673, 16805..16888, 16806..16886, 16993..17106, 16997..17092, 17519..17680, 17520..17678, 17524..17679, 18496..18699, 18502..18699, 18504..18701, 19172..19300, 19207..19305, 20146..20220, 20157..20219, 20158..20226		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.np	Method	AAT/NAP
Start	16063	End	20243
GI	3821793	Score	1304
Exons	16063..16119, 16253..16321, 16422..16485, 16590..16672, 16808..16873, 16996..17086, 17520..17677, 18504..18698, 19171..19300, 20158..20243		

GI Descrip. (Y11526) casein kinase II alpha subunit [Zea mays]

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	16066	End	17690
GI	none	Score	75
Exons	16066..16119, 16253..16324, 16254..16322, 16416..16487, 16417..16488, 16586..16675, 16590..16673, 16767..16799, 16805..16888, 16806..16886, 16807..16896, 16988..17092, 16991..17089, 16993..17106, 17510..17671, 17519..17680, 17520..17690		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	16253	End	18687
GI	none	Score	49
Exons	16253..16324, 16253..16324, 16416..16487, 16423..16488, 16586..16675, 16590..16673, 16805..16831, 16836..16871, 16838..16888, 16988..17092, 16991..17065, 16993..17106, 17510..17680, 17519..17680, 17520..17705, 18493..18687, 18504..18686		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	17023	End	18701
GI	none	Score	84
Exons	17023..17106, 17024..17092, 17510..17683, 17519..17680, 17520..17690, 18496..18699, 18502..18699, 18504..18701		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	18497	End	20220
GI	none	Score	153
Exons	18497..18670, 18498..18701, 18503..18685, 18505..18699, 19172..19294, 19207..19305, 19275..19313, 20157..20219, 20158..20220		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.np	Method	AAT/NAP
Start	20384	End	21755
GI	6498436	Score	81
Exons	20384..20469, 21609..21755		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12776	Strand	+
Start	355	End	1221
Name	OJ990713_08.0128.C6.o1.gs	Method	GENSCAN
Start	355	End	1221
GI	none	Score	.83
Exons	355..421, 1034..1221		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.gp	Method	AAT/GAP
Start	2502	End	2789
GI	2310208	Score	487
Exons	2502..2789		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o2.gs	Method	GENSCAN
Start	2604	End	4067
GI	none	Score	.99
Exons	2604..2889, 2990..3381, 3567..4067		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.np	Method	AAT/NAP
Start	2633	End	4067
GI	3297816	Score	945
Exons	2633..2889, 2990..3381, 3567..4067		
GI Descrip.	(AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tm	Method	TBLASTX:Maize

Start	2688	End	3950
GI	none	Score	85
Exons	2688..2789, 2798..2875, 2799..2879, 2992..3192, 3072..3188, 3244..3384, 3561..3608, 3569..3607, 3660..3950, 3665..3949		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	2688	End	3192
GI	none	Score	185
Exons	2688..2879, 2807..2875, 2995..3192, 3060..3188		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	2688	End	4031
GI	none	Score	264
Exons	2688..2876, 2795..2875, 2989..3192, 2991..3188, 3244..3384, 3560..3607, 3561..3608, 3633..3968, 3647..3949, 3993..4031		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	2995	End	3273
GI	none	Score	258
Exons	2995..3192, 3003..3191, 3247..3273		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	3256	End	3950
GI	none	Score	103
Exons	3256..3372, 3561..3617, 3624..3950		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o3.gp	Method	AAT/GAP
Start	3801	End	4458
GI	13689_1.R1084	Score	1266
Exons	3801..4458		
GI Descrip.	'3297816/emb CAA19874.1 3.0e-11 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	6060	Seq. ID	OJ990713_08.0128.C7
Gene No.	12778	Strand	+
Start	1	End	1618
Name	OJ990713_08.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	300
GI	5734621	Score	213
Exons	1..40, 90..300		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7		

(U43892) [Oryza sativa]

Seq. No.	6060	Seq. ID	OJ990713_08.0128.C7
Gene No.	12778	Strand	+
Start	1	End	1618
Name	OJ990713_08.0128.C7.o2.np	Method	AAT/NAP
Start	1	End	1618
GI	3153821	Score	119
Exons	1..137, 1251..1618		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philoprotein [Mus musculus]		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12779	Strand	+
Start	1561	End	3327
Name	OJ990713_08.0128.C8.o1.np	Method	AAT/NAP
Start	1561	End	3327
GI	6522924	Score	930
Exons	1561..1704, 1747..2337, 2413..2655, 2749..3179, 3219..3327		
GI Descrip.	(AL132978) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12780	Strand	+
Start	6309	End	6951
Name	OJ990713_08.0128.C8.o1.gp	Method	AAT/GAP
Start	6309	End	6951
GI	none	Score	1139
Exons	6309..6951		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12781	Strand	-
Start	6679	End	6939
Name	OJ990713_08.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	1750	End	1941
GI	none	Score	190
Exons	1750..1941, 1762..1941		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12781	Strand	-
Start	6679	End	6939
Name	OJ990713_08.0128.C8.o2.gs	Method	GENSCAN
Start	6679	End	6939
GI	none	Score	.64
Exons	6679..6939		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12782	Strand	+
Start	1	End	86
Name	OJ990713_08.0128.C9.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	none	Score	92
Exons	1..86		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12783	Strand	+
Start	7671	End	8156
Name	OJ990713_08.0128.C9.o3.gs	Method	GENSCAN

Start 7671
GI none
Exons 7671..7835, 7914..8156

End 8156
Score .83

Seq. No. 6062
Gene No. 12784
Start 36
Name OJ990713_08.0128.C9.o1.gs
Start 36
GI none
Exons 36..309, 397..1490, 1985..2083, 2682..2700

Seq. ID OJ990713_08.0128.C9
Strand -
End 2922
Method GENSCAN
End 2700
Score .99

Seq. No. 6062
Gene No. 12784
Start 36
Name OJ990713_08.0128.C9.o1.np
Start 91
GI 2317717
Exons 91..309, 397..792, 883..981
GI Descrip. (AF012943) Rb1A [Dictyostelium discoideum]

Seq. ID OJ990713_08.0128.C9
Strand -
End 2922
Method AAT/NAP
End 981
Score 336

Seq. No. 6062
Gene No. 12784
Start 36
Name OJ990713_08.0128.C9.o2.gp
Start 631
GI none
Exons 631..1035

Seq. ID OJ990713_08.0128.C9
Strand -
End 2922
Method AAT/GAP
End 1035
Score 763

Seq. No. 6062
Gene No. 12784
Start 36
Name OJ990713_08.0128.C9.o3.gp
Start 1435
GI none
Exons 1435..1490, 1985..2083, 2682..2922

Seq. ID OJ990713_08.0128.C9
Strand -
End 2922
Method AAT/GAP
End 2922
Score 739

Seq. No. 6062
Gene No. 12785
Start 8362
Name OJ990713_08.0128.C9.o2.tw
Start 33
GI none
Exons 33..113, 36..125, 37..144, 80..202, 91..207, 92..202, 102..206, 102..230, 106..207, 226..309, 234..311, 250..306, 301..423, 396..440, 399..443, 400..441

Seq. ID OJ990713_08.0128.C9
Strand -
End 11920
Method TBLASTX:Wheat
End 443
Score 90

Seq. No. 6062
Gene No. 12785
Start 8362
Name OJ990713_08.0128.C9.o4.ts
Start 527
GI none
Exons 527..754, 529..777, 548..778

Seq. ID OJ990713_08.0128.C9
Strand -
End 11920
Method TBLASTX:Soybean
End 778
Score 224

Seq. No. 6062
Gene No. 12785

Seq. ID OJ990713_08.0128.C9
Strand -

Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	628	End	997
GI	none	Score	161
Exons	628..996, 630..758, 632..997, 634..996		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	1096	End	2087
GI	none	Score	100
Exons	1096..1176, 1135..1251, 1154..1264, 1169..1252, 1252..1494, 1253..1498, 1323..1499, 1986..2087, 1987..2085		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	1138	End	1426
GI	none	Score	149
Exons	1138..1251, 1139..1252, 1139..1258, 1243..1311, 1247..1312, 1291..1422, 1291..1422, 1292..1426, 1302..1424		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.tc	Method	TBLASTX:Cress
Start	8339	End	8478
GI	none	Score	210
Exons	8339..8476, 8340..8477, 8341..8478		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	8359	End	9666
GI	none	Score	228
Exons	8359..8574, 8383..8568, 9091..9153, 9092..9151, 9151..9666, 9152..9664		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o4.gs	Method	GENSCAN
Start	8362	End	11920
GI	none	Score	.64
Exons	8362..8568, 9067..9719, 9815..9929, 10377..10506, 10760..10909, 11343..11920		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.np	Method	AAT/NAP
Start	8365	End	11740
GI	2231149	Score	2239
Exons	8365..8568, 9067..9719, 9815..9951, 11343..11740		

GI Descrip. (L81152) integral membrane protein [Oryza sativa]

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	8479	End	9600
GI	none	Score	251
Exons	8479..8565, 9073..9588, 9073..9600, 9074..9595		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	9202	End	9621
GI	none	Score	365
Exons	9202..9621, 9203..9619		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	9581	End	11387
GI	none	Score	233
Exons	9581..9721, 9583..9726, 9583..9720, 9747..9803, 9811..9951, 9813..9953, 9813..9950, 11336..11380, 11343..11387		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	9622	End	11735
GI	none	Score	118
Exons	9622..9720, 9623..9721, 9750..9950, 9809..9946, 9810..9947, 9811..9951, 11321..11581, 11343..11618, 11345..11734, 11633..11722, 11661..11735		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	9667	End	11572
GI	none	Score	90
Exons	9667..9720, 9668..9721, 9668..9721, 9810..9950, 9813..9953, 9814..9960, 11336..11572, 11343..11567, 11345..11572		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.tc	Method	TBLASTX:Cress
Start	11313	End	11542
GI	none	Score	183
Exons	11313..11540, 11333..11542		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920

Name	OJ990713_08.0128.C9.o5.tm	Method	TBLASTX:Maize
Start	11630	End	11920
GI	none	Score	85
Exons	11630..11722, 11642..11743, 11661..11735, 11786..11842, 11885..11920		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12786	Strand	+
Start	7961	End	10612
Name	OJ990713_08.0128.C10.o2.gs	Method	GENSCAN
Start	7961	End	10612
GI	none	Score	.46
Exons	7961..8300, 8408..8470, 8820..10612		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12787	Strand	+
Start	12167	End	12323
Name	OJ990713_08.0128.C10.o2.gp	Method	AAT/GAP
Start	11730	End	11817
GI	5004566	Score	130
Exons	11730..11817		
GI Descrip.	5042437/gb AC007789.1 AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12787	Strand	+
Start	12167	End	12323
Name	OJ990713_08.0128.C10.o3.gs	Method	GENSCAN
Start	12167	End	12323
GI	none	Score	.68
Exons	12167..12323		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12788	Strand	-
Start	2206	End	6548
Name	OJ990713_08.0128.C10.o1.gs	Method	GENSCAN
Start	2206	End	6548
GI	none	Score	.65
Exons	2206..2253, 2574..2677, 3959..4244, 4674..4942, 6344..6548		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12788	Strand	-
Start	2206	End	6548
Name	OJ990713_08.0128.C10.o1.gp	Method	AAT/GAP
Start	4515	End	4970
GI	uC-osflcyp158a10b1	Score	845
Exons	4515..4970		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	9704	End	10408
GI	none	Score	113

Exons 9704..9904, 9716..10009, 9746..10117, 9755..9835, 9758..10075,
9761..9895, 9809..10045, 9851..10189, 9923..10150, 9971..10312,
9998..10408

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.ol.tm	Method	TBLASTX:Maize
Start	9713	End	10378
GI	none	Score	227
Exons	9713..10378, 9713..10171, 9737..9856, 9827..10165		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.ol.ts	Method	TBLASTX:Soybean
Start	9713	End	10186
GI	none	Score	83
Exons	9713..9871, 9715..9804, 9716..10087, 9725..10072, 9871..10086, 9923..10186, 9944..10093		

Seq. No.	6064	Seq. ID	OJ991013_13.0222.C1
Gene No.	12790	Strand	-
Start	1	End	822
Name	OJ991013_13.0222.C1.ol.np	Method	AAT/NAP
Start	1	End	822
GI	5091513	Score	714
Exons	1..594, 799..822		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6064	Seq. ID	OJ991013_13.0222.C1
Gene No.	12790	Strand	-
Start	1	End	822
Name	OJ991013_13.0222.C1.ol.gs	Method	GENSCAN
Start	62	End	558
GI	none	Score	.57
Exons	62..558		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.ol.np	Method	AAT/NAP
Start	1	End	1481
GI	4680179	Score	1968
Exons	1..33, 280..1481		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.ol.tm	Method	TBLASTX:Maize
Start	290	End	858
GI	none	Score	248
Exons	290..697, 295..699, 697..858, 704..850		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-

Start 1
 Name OJ991013_13.0222.C2.o3.tw
 Start 295
 GI none
 Exons 295..411, 296..412

End 1481
 Method TBLASTX:Wheat
 End 412
 Score 130

Seq. No. 6065
 Gene No. 12791
 Start 1
 Name OJ991013_13.0222.C2.o1.tw
 Start 412
 GI none
 Exons 412..1038, 413..1036

Seq. ID OJ991013_13.0222.C2
 Strand -
 End 1481
 Method TBLASTX:Wheat
 End 1038
 Score 394

Seq. No. 6065
 Gene No. 12791
 Start 1
 Name OJ991013_13.0222.C2.o2.tm
 Start 907
 GI none
 Exons 907..1197, 911..1198

Seq. ID OJ991013_13.0222.C2
 Strand -
 End 1481
 Method TBLASTX:Maize
 End 1198
 Score 225

Seq. No. 6065
 Gene No. 12791
 Start 1
 Name OJ991013_13.0222.C2.o1.ts
 Start 997
 GI none
 Exons 997..1230, 998..1219

Seq. ID OJ991013_13.0222.C2
 Strand -
 End 1481
 Method TBLASTX:Soybean
 End 1230
 Score 154

Seq. No. 6065
 Gene No. 12791
 Start 1
 Name OJ991013_13.0222.C2.o2.tw
 Start 1045
 GI none
 Exons 1045..1218, 1046..1219, 1216..1299, 1221..1481, 1230..1478

Seq. ID OJ991013_13.0222.C2
 Strand -
 End 1481
 Method TBLASTX:Wheat
 End 1481
 Score 176

Seq. No. 6066
 Gene No. 12792
 Start 1
 Name OJ991013_13.0222.C3.o3.np
 Start 1
 GI 4680183
 Exons 1..42, 4003..4092, 4700..4789
 GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. ID OJ991013_13.0222.C3
 Strand +
 End 4789
 Method AAT/NAP
 End 4789
 Score 184

Seq. No. 6066
 Gene No. 12793
 Start 1
 Name OJ991013_13.0222.C3.o1.np
 Start 1
 GI 4680179
 Exons 1..2096
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ991013_13.0222.C3
 Strand -
 End 2096
 Method AAT/NAP
 End 2096
 Score 3473

Seq. No. 6066 Seq. ID OJ991013_13.0222.C3

Gene No.	12794	Strand	-
Start	2347	End	4799
Name	OJ991013_13.0222.C3.o2.gs	Method	GENSCAN
Start	2347	End	4799
GI	none	Score	.86
Exons	2347..3312, 4563..4695, 4735..4799		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12794	Strand	-
Start	2347	End	4799
Name	OJ991013_13.0222.C3.o2.np	Method	AAT/NAP
Start	2350	End	3246
GI	5042448	Score	1320
Exons	2350..2645, 2685..3246		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	372
GI	none	Score	203
Exons	1..372, 2..268		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	22	End	336
GI	none	Score	183
Exons	22..336		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	71	End	360
GI	none	Score	165
Exons	71..262, 73..360		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o3.tw	Method	TBLASTX:Wheat
Start	534	End	951
GI	none	Score	103
Exons	534..695, 535..717, 536..691, 781..951, 803..901		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	1258	End	1590
GI	none	Score	114
Exons	1258..1590, 1306..1590		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o2.tw	Method	TBLASTX:Wheat
Start	1471	End	1791
GI	none	Score	89
Exons	1471..1791, 1481..1705		
Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o3.gs	Method	GENSCAN
Start	5420	End	6110
GI	none	Score	.79
Exons	5420..5765, 5830..5895, 5987..6110		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.gp	Method	AAT/GAP
Start	2160	End	2579
GI	52923_1.R1084	Score	789
Exons	2160..2579		
GI Descrip.	'5823554/gb AAD53184.1 AF180920_1 4.0e-10: (AF180920) cyclin ania-6a [Homo sapiens]'		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.np	Method	AAT/NAP
Start	2250	End	2579
GI	5453421	Score	92
Exons	2250..2579		
GI Descrip.	(AF159159) cyclin ania-6a [Mus musculus]		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	2413	End	2580
GI	none	Score	244
Exons	2413..2580, 2418..2579		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	2427	End	2580
GI	none	Score	64
Exons	2427..2501, 2427..2579, 2428..2580		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	2427	End	2591
GI	none	Score	244

Exons 2427..2591, 2428..2589

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.ol.gs	Method	GENSCAN
Start	2428	End	2734
GI	none	Score	.45
Exons	2428..2640, 2714..2734		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.ol.tm	Method	TBLASTX:Maize
Start	1618	End	2305
GI	none	Score	92
Exons	1618..1710, 1644..1694, 1644..1724, 1645..1710, 1812..1961, 1814..1942, 2114..2269, 2114..2266, 2267..2305, 2267..2305		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.ol.tc	Method	TBLASTX:Cress
Start	1649	End	1961
GI	none	Score	68
Exons	1649..1699, 1650..1694, 1813..1956, 1814..1942, 1818..1961		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.ol.gs	Method	GENSCAN
Start	1656	End	2865
GI	none	Score	.55
Exons	1656..1724, 1815..1955, 2141..2167, 2845..2865		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.ol.np	Method	AAT/NAP
Start	1656	End	3406
GI	2739368	Score	440
Exons	1656..1726, 1817..1955, 2141..2307, 3361..3406		
GI Descrip.	(AC002505) putative cyclin [Arabidopsis thaliana]		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.ol.gp	Method	AAT/GAP
Start	1813	End	2307
GI	2799557	Score	533
Exons	1813..1955, 2141..2307		
GI Descrip.	2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]		

Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406

Name	OJ991013_13.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	2162	End	2299
GI	none	Score	176
Exons	2162..2269, 2162..2263, 2267..2299		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	653
GI	none	Score	117
Exons	1..90, 2..91, 2..91, 3..95, 166..372, 166..333, 168..353, 368..484, 389..481, 418..483, 499..546, 621..653		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.gp	Method	AAT/GAP
Start	53	End	466
GI	286346	Score	595
Exons	53..90, 169..466		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.gs	Method	GENSCAN
Start	169	End	670
GI	none	Score	.87
Exons	169..544, 629..670		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o2.gp	Method	AAT/GAP
Start	406	End	907
GI	55290_1.R1084	Score	430
Exons	406..544, 629..670, 748..907		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12799	Strand	+
Start	3843	End	4224
Name	OJ991013_13.0222.C8.o1.gp	Method	AAT/GAP
Start	3843	End	4224
GI	uC-osflcyp033a04b1	Score	659
Exons	3843..4224		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12800	Strand	+
Start	17293	End	18111
Name	OJ991013_13.0222.C8.o2.gs	Method	GENSCAN
Start	17293	End	18111
GI	none	Score	.56
Exons	17293..17435, 18063..18111		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o1.gs	Method	GENSCAN
Start	11	End	12918
GI	none	Score	.45
Exons	11..211, 593..775, 901..1218, 1327..1770, 2503..2758, 4073..4126, 4858..5331, 6789..6964, 7258..7712, 8734..8977, 11923..12918		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o1.np	Method	AAT/NAP
Start	2514	End	4128
GI	5852180	Score	465
Exons	2514..2919, 2971..3089, 4073..4128		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o2.np	Method	AAT/NAP
Start	5537	End	8929
GI	6093743	Score	136
Exons	5537..5553, 6788..7036, 7152..7269, 8903..8929		
GI Descrip.	PECTINESTERASE PRECURSOR (PECTIN METHYLESTERASE) (PE) gi 533256 (L27101) pectinesterase [Petunia inflata]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o3.np	Method	AAT/NAP
Start	7351	End	9073
GI	6714449	Score	148
Exons	7351..7706, 9043..9073		
GI Descrip.	(AC011620) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o4.gp	Method	AAT/GAP
Start	8532	End	12330
GI	15861_1.R1084	Score	1557
Exons	8532..8977, 11923..12330		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o4.np	Method	AAT/NAP
Start	8726	End	12921
GI	3738309	Score	1120
Exons	8726..8977, 11923..12921		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12802	Strand	-
Start	12861	End	13240
Name	OJ991013_13.0222.C8.o5.gp	Method	AAT/GAP
Start	12861	End	13240
GI	LIB3477-002-P1-K1-F10	Score	740
Exons	12861..13240		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.ts	Method	TBLASTX:Soybean
Start	7411	End	7707
GI	none	Score	209
Exons	7411..7707		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	7414	End	7720
GI	none	Score	63
Exons	7414..7500, 7417..7533, 7513..7710, 7541..7720		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.tw	Method	TBLASTX:Wheat
Start	8732	End	8979
GI	none	Score	275
Exons	8732..8977, 8733..8978, 8736..8978, 8830..8979		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	8735	End	12495
GI	none	Score	102
Exons	8735..8914, 8790..8909, 8882..9001, 8946..9002, 11926..11952, 11944..12147, 11945..12112, 12016..12135, 12148..12177, 12179..12412, 12184..12252, 12262..12414, 12421..12495, 12422..12487		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.ts	Method	TBLASTX:Soybean
Start	8735	End	12006
GI	none	Score	172
Exons	8735..8977, 8736..8978, 8744..8980, 11915..12004, 11922..12005, 11923..12006		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-

Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.tm	Method	TBLASTX:Maize
Start	8735	End	8976
GI	none	Score	239
Exons	8735..8974, 8736..8975, 8815..8976		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	11922	End	12600
GI	none	Score	754
Exons	11922..12140, 11923..12600, 11930..12589		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	11926	End	12309
GI	none	Score	366
Exons	11926..12306, 11927..12307, 12016..12309		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	12007	End	12930
GI	none	Score	61
Exons	12007..12069, 12055..12129, 12058..12120, 12121..12252, 12158..12259, 12244..12426, 12269..12412, 12359..12631, 12430..12630, 12802..12930		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.gs	Method	GENSCAN
Start	19039	End	19911
GI	none	Score	.58
Exons	19039..19055, 19648..19728, 19767..19911		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12804	Strand	-
Start	3220	End	4480
Name	OJ991013_13.0222.C10.o2.gs	Method	GENSCAN
Start	3220	End	4480
GI	none	Score	.73
Exons	3220..3272, 3367..3460, 4170..4289, 4370..4480		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	4821	End	5814
GI	none	Score	84
Exons	4821..4982, 4826..4945, 4827..4955, 4844..4957, 4845..4979, 4850..4957, 4877..4978, 4891..4971, 4918..4980, 4982..5137, 4992..5144, 4993..5103, 4995..5135, 5000..5104, 5001..5126,		

5003..5110, 5004..5111, 5005..5118, 5010..5096, 5011..5109,
 5011..5112, 5029..5148, 5126..5251, 5136..5267, 5145..5264,
 5147..5266, 5148..5264, 5150..5266, 5151..5261, 5156..5260,
 5159..5263, 5159..5275, 5165..5266, 5166..5294, 5286..5318,
 5321..5392, 5322..5399, 5329..5466, 5330..5464, 5335..5460,
 5336..5482, 5339..5488, 5341..5460, 5354..5470, 5376..5480,
 5501..5590, 5504..5599, 5512..5592, 5528..5599, 5535..5612,
 5538..5615, 5541..5600, 5598..5708, 5682..5711, 5683..5805,
 5685..5813, 5689..5763, 5695..5784, 5695..5814

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220
 Name OJ991013_13.0222.C10.o3.gs Method GENSCAN
 Start 7595 End 9220
 GI none Score .84
 Exons 7595..8233, 8304..8817, 8868..9220

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220
 Name OJ991013_13.0222.C10.o1.np Method AAT/NAP
 Start 7604 End 9169
 GI 5915840 Score 885
 Exons 7604..8233, 8304..8681, 8712..9169
 GI Descrip. CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome
 P450 [Lotus japonicus]

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220
 Name OJ991013_13.0222.C10.o2.tw Method TBLASTX:Wheat
 Start 7619 End 7894
 GI none Score 176
 Exons 7619..7849, 7623..7850, 7655..7849, 7865..7894

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220
 Name OJ991013_13.0222.C10.o1.ts Method TBLASTX:Soybean
 Start 7632 End 9115
 GI none Score 96
 Exons 7632..7844, 7655..7849, 7868..8095, 7869..8033, 8126..8239,
 8130..8234, 8304..8399, 8403..8672, 8796..8873, 8903..9115

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220
 Name OJ991013_13.0222.C10.o1.tc Method TBLASTX:Cress
 Start 7718 End 9112
 GI none Score 81
 Exons 7718..7849, 7776..7844, 7868..8239, 7869..7973, 7998..8054,
 8048..8164, 8814..8873, 8897..9067, 9056..9112

Seq. No. 6071 Seq. ID OJ991013_13.0222.C10
 Gene No. 12805 Strand -
 Start 7595 End 9220

Name	OJ991013_13.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	7763	End	8492
GI	none	Score	78
Exons	7763..7849, 7763..7849, 7776..7850, 7856..8116, 7857..8117, 8100..8231, 8114..8167, 8114..8233, 8115..8234, 8302..8334, 8303..8335, 8304..8396, 8388..8492		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	7919	End	8393
GI	none	Score	121
Exons	7919..8113, 7920..8108, 8117..8233, 8127..8234, 8304..8393		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	8733	End	9116
GI	none	Score	135
Exons	8733..8864, 8736..8864, 8773..8868, 8847..9116, 8867..9115		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12806	Strand	+
Start	2092	End	2660
Name	OJ991013_13.0222.C11.o1.gp	Method	AAT/GAP
Start	2092	End	2660
GI	4879016	Score	860
Exons	2092..2660		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12807	Strand	+
Start	11559	End	11875
Name	OJ991013_13.0222.C11.o2.gp	Method	AAT/GAP
Start	11559	End	11875
GI	72524_1.R1084	Score	396
Exons	11559..11875		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o2.gs	Method	GENSCAN
Start	17720	End	22133
GI	none	Score	.64
Exons	17720..17863, 19165..19575, 19667..19780, 20110..20175, 20910..20955, 21745..22133		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o2.np	Method	AAT/NAP

Start	18138	End	24261
GI	2213632	Score	741
Exons	18138..18602, 21717..21990, 24197..24261		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o4.gp	Method	AAT/GAP
Start	20622	End	21003
GI	uC-osflcyp033a04b1	Score	655
Exons	20622..21003		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o3.np	Method	AAT/NAP
Start	22636	End	24261
GI	6721512	Score	70
Exons	22636..22724, 22752..22910, 24235..24261		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o5.np	Method	AAT/NAP
Start	22919	End	24261
GI	6907089	Score	313
Exons	22919..23034, 23651..24261		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o4.np	Method	AAT/NAP
Start	23562	End	24261
GI	6721558	Score	127
Exons	23562..23694, 24240..24261		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12809	Strand	-
Start	13291	End	16463
Name	OJ991013_13.0222.C11.o1.np	Method	AAT/NAP
Start	13291	End	16463
GI	5091513	Score	1331
Exons	13291..13611, 14295..14476, 14551..15153, 15898..16463		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12810	Strand	-
Start	17250	End	18185
Name	OJ991013_13.0222.C11.o3.gp	Method	AAT/GAP

Start	17250	End	18185
GI	72524_1.R1084	Score	415
Exons	17250..17565, 18154..18185		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o3.tw	Method	TBLASTX:Wheat
Start	9636	End	10046
GI	none	Score	56
Exons	9636..9725, 9699..9914, 9703..9897, 9930..10046		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	18090	End	18518
GI	none	Score	419
Exons	18090..18518, 18098..18502		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	18251	End	18596
GI	none	Score	362
Exons	18251..18574, 18252..18596		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	18519	End	21971
GI	none	Score	98
Exons	18519..18602, 18521..18583, 21705..21866, 21713..21865, 21903..21968, 21906..21971		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o2.tw	Method	TBLASTX:Wheat
Start	21701	End	22079
GI	none	Score	318
Exons	21701..21973, 21702..22079, 21702..22046		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o3.gs	Method	GENSCAN
Start	22602	End	24230
GI	none	Score	.73
Exons	22602..22661, 23143..23416, 23671..24230		

Seq. No.	6073	Seq. ID	OJ991013_13.0222.C12
Gene No.	12812	Strand	+

Start	1	End	1099
Name	OJ991013_13.0222.C12.o1.np	Method	AAT/NAP
Start	1	End	1099
GI	6721561	Score	1078
Exons	1..182, 251..309, 392..1099		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6073	Seq. ID	OJ991013_13.0222.C12
Gene No.	12812	Strand	+
Start	1	End	1099
Name	OJ991013_13.0222.C12.o1.gs	Method	GENSCAN
Start	49	End	1033
GI	none	Score	.76
Exons	49..182, 212..309, 485..701, 762..1033		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12813	Strand	+
Start	1	End	3029
Name	OJ991013_13.0222.C13.o2.np	Method	AAT/NAP
Start	1	End	3029
GI	6721512	Score	84
Exons	1..253, 1268..1413, 1441..1548, 2905..3029		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.np	Method	AAT/NAP
Start	49	End	1203
GI	5902445	Score	1099
Exons	49..1203		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	58	End	666
GI	none	Score	69
Exons	58..186, 59..184, 214..666, 410..517, 478..648		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o2.tm	Method	TBLASTX:Maize
Start	94	End	360
GI	none	Score	138
Exons	94..177, 178..360		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o2.tw	Method	TBLASTX:Wheat

Start	790	End	1172
GI	none	Score	71
Exons	790..894, 791..895, 885..1172, 886..1164		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	885	End	1172
GI	none	Score	161
Exons	885..1172, 886..1155		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12815	Strand	+
Start	1202	End	3994
Name	OJ991013_13.0222.C15.o1.gs	Method	GENSCAN
Start	1202	End	3101
GI	none	Score	.58
Exons	1202..1661, 1724..2089, 2644..3101		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12815	Strand	+
Start	1202	End	3994
Name	OJ991013_13.0222.C15.o1.np	Method	AAT/NAP
Start	1311	End	3994
GI	6016874	Score	666
Exons	1311..1543, 1930..2089, 2477..2643, 2842..3195, 3655..3854, 3930..3994		

GI Descrip. (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12816	Strand	+
Start	5587	End	6973
Name	OJ991013_13.0222.C15.o2.gs	Method	GENSCAN
Start	5587	End	6973
GI	none	Score	.76
Exons	5587..5630, 5807..5885, 6809..6908, 6951..6973		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o1.gp	Method	AAT/GAP
Start	7745	End	8872
GI	42382_1.R1084	Score	946
Exons	7745..8076, 8710..8872		
GI Descrip.	'3928088 3.0e-23 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o3.gs	Method	GENSCAN
Start	7830	End	9479
GI	none	Score	.67
Exons	7830..8076, 8797..9062, 9330..9479		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o2.np	Method	AAT/NAP
Start	7857	End	11509
GI	1546688	Score	578
Exons	7857..8076, 8710..9062, 10919..11039, 11224..11509		
GI Descrip.	(X98802) peroxidase ATP11a [Arabidopsis thaliana] gi 2388572 (AC000098) Strong similarity to Arabidopsis peroxidase ATP11A (gb X98802). [Arabidopsis thaliana] gi 2388573 (AC000098) Strong similarity to Arabidopsis peroxidase ATP11A (gb X98802). [Arabidopsis thaliana]		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	1240	End	1734
GI	none	Score	45
Exons	1240..1275, 1300..1353, 1366..1581, 1367..1624, 1367..1624, 1625..1729, 1639..1734, 1643..1732		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2147
GI	none	Score	80
Exons	1831..1911, 1921..2145, 1921..2139, 1926..2147		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o4.tm	Method	TBLASTX:Maize
Start	2344	End	2666
GI	none	Score	237
Exons	2344..2592, 2365..2508, 2391..2552, 2589..2666, 2597..2641		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o5.tm	Method	TBLASTX:Maize
Start	2885	End	3131
GI	none	Score	243
Exons	2885..3127, 2889..3131		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o3.tm	Method	TBLASTX:Maize
Start	7932	End	11512
GI	none	Score	138
Exons	7932..8075, 7951..8076, 8701..8748, 8752..8910, 8754..8903, 8910..8951, 8910..8945, 9013..9090, 9014..9091, 11237..11512, 11324..11509		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	7951	End	11515
GI	none	Score	131
Exons	7951..8076, 7965..8072, 8647..8895, 8709..8888, 8913..8993, 9017..9091, 11243..11395, 11405..11515		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	7951	End	11515
GI	none	Score	131
Exons	7951..8076, 8647..8889, 8709..8882, 8913..9008, 8993..9091, 9017..9091, 11249..11410, 11411..11515		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	8701	End	8987
GI	none	Score	58
Exons	8701..8769, 8709..8768, 8745..8888, 8752..8889, 8913..8987		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o4.gs	Method	GENSCAN
Start	10891	End	13617
GI	none	Score	.82
Exons	10891..11139, 11231..11515, 11893..12005, 13464..13617		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	1838
GI	4544372	Score	694
Exons	1..89, 390..1444, 1504..1838		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.gs	Method	GENSCAN
Start	314	End	1550
GI	none	Score	.49
Exons	314..915, 1517..1550		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	554	End	919

GI	none	Score	140
Exons	554..778, 785..919		
Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	716	End	1120
GI	none	Score	73
Exons	716..772, 716..748, 767..1120, 774..881, 775..918, 776..1120		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	770	End	988
GI	none	Score	268
Exons	770..988, 775..987		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	989	End	1445
GI	none	Score	350
Exons	989..1270, 991..1242, 998..1252, 1279..1374, 1284..1379, 1377..1445		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	1064	End	1285
GI	none	Score	194
Exons	1064..1285, 1088..1198, 1114..1242		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12820	Strand	+
Start	1	End	282
Name	OJ991013_13.0222.C17.o1.np	Method	AAT/NAP
Start	1	End	282
GI	629693	Score	143
Exons	1..282		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225
Name	OJ991013_13.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	5	End	242
GI	none	Score	71
Exons	5..58, 55..237, 57..164, 201..242		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225

Name	OJ991013_13.0222.C17.o2.np	Method	AAT/NAP
Start	1683	End	6225
GI	6063554	Score	132
Exons	1683..1859, 2779..2988, 6030..6225		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225
Name	OJ991013_13.0222.C17.o2.gs	Method	GENSCAN
Start	3720	End	6052
GI	none	Score	.46
Exons	3720..4101, 4133..4216, 4519..4739, 4937..5069, 5355..6052		

Seq. No.	6078	Seq. ID	OJ991013_13.0222.C18
Gene No.	12822	Strand	-
Start	47	End	97
Name	OJ991013_13.0222.C18.o1.gs	Method	GENSCAN
Start	47	End	97
GI	none	Score	.57
Exons	47..97		

Seq. No.	6079	Seq. ID	OJ991013_13.0222.C19
Gene No.	12823	Strand	+
Start	1	End	677
Name	OJ991013_13.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	677
GI	5091513	Score	927
Exons	1..677		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6080	Seq. ID	OJ991013_13.0222.C20
Gene No.	12824	Strand	+
Start	1	End	1029
Name	OJ991013_13.0222.C20.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	5091513	Score	1204
Exons	1..1029		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6080	Seq. ID	OJ991013_13.0222.C20
Gene No.	12824	Strand	+
Start	1	End	1029
Name	OJ991013_13.0222.C20.o1.gs	Method	GENSCAN
Start	53	End	979
GI	none	Score	.89
Exons	53..979		

Seq. No.	6081	Seq. ID	OJ991013_13.0222.C21
Gene No.	12825	Strand	
Start	303	End	539
Name	OJ991013_13.0222.C21.o1.tm	Method	TBLASTX:Maize
Start	303	End	539
GI	none	Score	49
Exons	303..380, 328..372, 377..538, 417..539		

Seq. No.	6082	Seq. ID	OJ991013_13.0222.C22
Gene No.	12826	Strand	-
Start	1	End	714
Name	OJ991013_13.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4895255	Score	118
Exons	1..39, 521..714		
GI Descrip.	(AC007659) unknown protein [Arabidopsis thaliana]		
Seq. No.	6083	Seq. ID	OJ991013_13.0222.C23
Gene No.	12827	Strand	-
Start	24	End	758
Name	OJ991013_13.0222.C23.o1.gs	Method	GENSCAN
Start	24	End	758
GI	none	Score	.45
Exons	24..502, 613..758		
Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.np	Method	AAT/NAP
Start	1	End	283
GI	5042447	Score	454
Exons	1..283		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	36
Exons	1..282, 11..40, 80..265		
Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.tw	Method	TBLASTX:Wheat
Start	1	End	282
GI	none	Score	173
Exons	1..282, 11..265		
Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.ts	Method	TBLASTX:Soybean
Start	91	End	282
GI	none	Score	119
Exons	91..282, 92..274		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12829	Strand	+
Start	351	End	2994
Name	OJ991213_04.0207.C1.o1.gs	Method	GENSCAN
Start	351	End	2994
GI	none	Score	.57

Exons 351..361, 1923..1990, 2517..2704, 2800..2994

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12830	Strand	+
Start	6941	End	9764
Name	OJ991213_04.0207.C1.o3.gs	Method	GENSCAN
Start	6941	End	9764
GI	none	Score	.81
Exons	6941..7647, 7666..8003, 8698..9764		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12831	Strand	+
Start	10433	End	11786
Name	OJ991213_04.0207.C1.o4.gs	Method	GENSCAN
Start	10433	End	11786
GI	none	Score	.75
Exons	10433..10629, 10802..10956, 11179..11786		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12831	Strand	+
Start	10433	End	11786
Name	OJ991213_04.0207.C1.o1.np	Method	AAT/NAP
Start	10845	End	11662
GI	2213632	Score	710
Exons	10845..11662		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12832	Strand	+
Start	14701	End	18864
Name	OJ991213_04.0207.C1.o3.np	Method	AAT/NAP
Start	14701	End	18864
GI	5902444	Score	781
Exons	14701..14737, 17394..18864		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12833	Strand	-
Start	3874	End	4245
Name	OJ991213_04.0207.C1.o2.gs	Method	GENSCAN
Start	3874	End	4245
GI	none	Score	.95
Exons	3874..4245		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.tw	Method	TBLASTX:Wheat
Start	5	End	265
GI	none	Score	236
Exons	5..265, 16..264		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o4.tm	Method	TBLASTX:Maize
Start	154	End	442

GI	none	Score	244
Exons	154..309, 155..442		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.ts	Method	TBLASTX:Soybean
Start	2459	End	14957
GI	none	Score	132
Exons	2459..2683, 2578..2670, 2722..2799, 6959..7123, 6979..7113, 7142..7213, 7334..7378, 14762..14845, 14847..14957		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.tm	Method	TBLASTX:Maize
Start	2504	End	14948
GI	none	Score	134
Exons	2504..2683, 2578..2682, 2722..2799, 3343..3474, 3353..3484, 6968..7123, 6995..7126, 7142..7213, 7445..7687, 7522..7701, 7739..7954, 7774..7950, 14239..14406, 14251..14409, 14777..14845, 14847..14948		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	3336	End	14404
GI	none	Score	119
Exons	3336..3473, 3343..3474, 7445..7687, 7513..7701, 7739..7954, 7771..7950, 7952..8008, 14239..14403, 14240..14404		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o5.tw	Method	TBLASTX:Wheat
Start	7333	End	14537
GI	none	Score	73
Exons	7333..7383, 7334..7420, 7442..7603, 7448..7585, 14287..14406, 14288..14446, 14403..14450, 14403..14450, 14493..14537		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	7445	End	14443
GI	none	Score	218
Exons	7445..7687, 7445..7714, 14239..14421, 14240..14443		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o3.tw	Method	TBLASTX:Wheat
Start	10683	End	11011
GI	none	Score	222
Exons	10683..11009, 10710..10988, 10784..11011		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o3.tm	Method	TBLASTX:Maize
Start	10800	End	11087
GI	none	Score	259
Exons	10800..11087, 10814..11080, 11008..11085		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	11088	End	11567
GI	none	Score	42
Exons	11088..11126, 11129..11461, 11130..11462, 11502..11567		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tw	Method	TBLASTX:Wheat
Start	11141	End	11555
GI	none	Score	215
Exons	11141..11308, 11142..11318, 11309..11554, 11310..11555		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.np	Method	AAT/NAP
Start	12851	End	16395
GI	4680501	Score	65
Exons	12851..12867, 14267..14440, 16354..16395		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o5.gs	Method	GENSCAN
Start	12955	End	13236
GI	none	Score	.99
Exons	12955..13236		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o6.gs	Method	GENSCAN
Start	14176	End	14960
GI	none	Score	.79
Exons	14176..14295, 14496..14631, 14644..14960		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12835	Strand	-
Start	17604	End	17992
Name	OJ991213_04.0207.C1.o4.tw	Method	TBLASTX:Wheat
Start	17604	End	17992
GI	none	Score	155
Exons	17604..17807, 17810..17992		

Seq. No. 6085
 Gene No. 12836
 Start 18470
 Name OJ991213_04.0207.C1.o6.tw
 Start 18470
 GI none
 Exons 18470..18778

Seq. ID OJ991213_04.0207.C1
 Strand
 End 18778
 Method TBLASTX:Wheat
 End 18778
 Score 178

Seq. No. 6086
 Gene No. 12837
 Start 1
 Name OJ991213_04.0207.C2.o1.np
 Start 1
 GI 5902445
 Exons 1..1513, 1553..2794
 GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. ID OJ991213_04.0207.C2
 Strand +
 End 2797
 Method AAT/NAP
 End 2794
 Score -2606

Seq. No. 6086
 Gene No. 12837
 Start 1
 Name OJ991213_04.0207.C2.o1.gs
 Start 38
 GI none
 Exons 38..85, 155..427, 545..2797

Seq. ID OJ991213_04.0207.C2
 Strand +
 End 2797
 Method GENSCAN
 End 2797
 Score .48

Seq. No. 6086
 Gene No. 12838
 Start 3407
 Name OJ991213_04.0207.C2.o2.gs
 Start 3407
 GI none
 Exons 3407..3924, 4022..4167, 4289..5050, 5120..5142, 5194..5397, 5465..5589, 5756..6391, 7070..7154

Seq. ID OJ991213_04.0207.C2
 Strand -
 End 7383
 Method GENSCAN
 End 7154
 Score .57

Seq. No. 6086
 Gene No. 12838
 Start 3407
 Name OJ991213_04.0207.C2.o2.np
 Start 4288
 GI 6721561
 Exons 4288..5050, 5120..5145, 5180..5431, 5830..5865
 GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
 gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. ID OJ991213_04.0207.C2
 Strand -
 End 7383
 Method AAT/NAP
 End 5865
 Score 929

Seq. No. 6086
 Gene No. 12838
 Start 3407
 Name OJ991213_04.0207.C2.o3.np
 Start 4850
 GI 6721558
 Exons 4850..5052, 5465..5589, 6290..6389
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
 gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. ID OJ991213_04.0207.C2
 Strand -
 End 7383
 Method AAT/NAP
 End 6389
 Score 232

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12838	Strand	-
Start	3407	End	7383
Name	OJ991213_04.0207.C2.o4.np	Method	AAT/NAP
Start	5603	End	7383
GI	6721512	Score	52
Exons	5603..5628, 7223..7383		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o5.tw	Method	TBLASTX:Wheat
Start	2	End	190
GI	none	Score	204
Exons	2..190, 49..135		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o2.tm	Method	TBLASTX:Maize
Start	134	End	517
GI	none	Score	318
Exons	134..517, 161..271, 168..350, 301..516		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	191	End	615
GI	none	Score	445
Exons	191..613, 191..385, 301..615		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	245	End	670
GI	none	Score	297
Exons	245..670, 304..429		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o4.tw	Method	TBLASTX:Wheat
Start	761	End	1168
GI	none	Score	209
Exons	761..985, 826..987, 995..1165, 1088..1168		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o6.tw	Method	TBLASTX:Wheat
Start	1222	End	1465
GI	none	Score	174
Exons	1222..1338, 1223..1465, 1316..1456		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	1670	End	1975
GI	none	Score	339
Exons	1670..1975, 1708..1974		
Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.tw	Method	TBLASTX:Wheat
Start	1670	End	2053
GI	none	Score	358
Exons	1670..2053, 1678..2052		
Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o2.tw	Method	TBLASTX:Wheat
Start	2177	End	2785
GI	none	Score	341
Exons	2177..2629, 2216..2257, 2326..2433, 2654..2785, 2659..2772		
Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.tm	Method	TBLASTX:Maize
Start	2501	End	2749
GI	none	Score	148
Exons	2501..2665, 2614..2664, 2659..2715, 2666..2749		
Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.gs	Method	GENSCAN
Start	7657	End	9787
GI	none	Score	.61
Exons	7657..7846, 8413..8529, 9565..9653, 9734..9787		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12840	Strand	-
Start	1443	End	3134
Name	OJ991213_04.0207.C3.o3.np	Method	AAT/NAP
Start	1443	End	3134
GI	4926870	Score	797
Exons	1443..3134		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase . [Arabidopsis thaliana]		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12840	Strand	-
Start	1443	End	3134
Name	OJ991213_04.0207.C3.o2.np	Method	AAT/NAP
Start	1448	End	3115
GI	4335720	Score	622

Exons 1448..2327, 2529..3115
 GI Descrip. (AC006248) putative non-LTR retroelement reverse transcriptase
 [Arabidopsis thaliana]

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o3.tw	Method	TBLASTX:Wheat
Start	1295	End	1655
GI	none	Score	108
Exons	1295..1648, 1497..1655		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o4.tw	Method	TBLASTX:Wheat
Start	2036	End	2238
GI	none	Score	70
Exons	2036..2167, 2043..2171, 2167..2238, 2170..2229, 2174..2236		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	2093	End	2455
GI	none	Score	138
Exons	2093..2167, 2105..2455, 2167..2445		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.tw	Method	TBLASTX:Wheat
Start	2243	End	2641
GI	none	Score	214
Exons	2243..2641, 2257..2640		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o2.tw	Method	TBLASTX:Wheat
Start	2811	End	3162
GI	none	Score	177
Exons	2811..2978, 2812..2985, 2820..3005, 2836..2979, 2971..3162, 2973..3110		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.gp	Method	AAT/GAP
Start	5177	End	5745
GI	4879016	Score	876
Exons	5177..5745		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6088	Seq. ID	OJ991213_04.0207.C4
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Gene No.	12842	Strand	-
Start	411	End	545
Name	OJ991213_04.0207.C4.o1.gs	Method	GENSCAN
Start	411	End	545
GI	none	Score	.88
Exons	411..545		

Seq. No.	6089	Seq. ID	OJ991213_04.0207.C5
Gene No.	12843	Strand	-
Start	807	End	1184
Name	OJ991213_04.0207.C5.o1.gs	Method	GENSCAN
Start	807	End	1184
GI	none	Score	.87
Exons	807..1184		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12844	Strand	+
Start	981	End	1111
Name	OJ991213_04.0207.C6.o1.gs	Method	GENSCAN
Start	981	End	1111
GI	none	Score	.91
Exons	981..1111		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.np	Method	AAT/NAP
Start	579	End	6920
GI	4206306	Score	1181
Exons	579..598, 2168..2878, 3092..5118, 5303..5771, 6851..6920		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.gs	Method	GENSCAN
Start	1428	End	11999
GI	none	Score	.69
Exons	1428..1504, 1966..2157, 2365..2584, 2698..3241, 3297..3782, 3858..3996, 4165..4755, 4927..5184, 5505..6101, 6115..6207, 6239..6368, 6751..7209, 11543..11999		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.ts	Method	TBLASTX:Soybean
Start	1779	End	2068
GI	none	Score	54
Exons	1779..1862, 1823..2068, 1938..2018, 1994..2044		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.ts	Method	TBLASTX:Soybean
Start	2218	End	2613
GI	none	Score	85
Exons	2218..2613, 2324..2512		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.tw	Method	TBLASTX:Wheat
Start	2386	End	2778
GI	none	Score	117
Exons	2386..2439, 2467..2580, 2617..2778		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.tm	Method	TBLASTX:Maize
Start	2467	End	2820
GI	none	Score	226
Exons	2467..2820		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.tw	Method	TBLASTX:Wheat
Start	3293	End	3706
GI	none	Score	36
Exons	3293..3562, 3357..3458, 3492..3563, 3617..3706		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	3335	End	3751
GI	none	Score	75
Exons	3335..3577, 3339..3452, 3492..3578, 3608..3751, 3618..3749		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.ts	Method	TBLASTX:Soybean
Start	3903	End	4372
GI	none	Score	55
Exons	3903..4049, 3905..4051, 4080..4337, 4091..4372		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.tw	Method	TBLASTX:Wheat
Start	3989	End	4370
GI	none	Score	50
Exons	3989..4090, 3993..4088, 4067..4369, 4107..4370		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	4058	End	4519
GI	none	Score	343
Exons	4058..4519, 4059..4370, 4286..4519		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	4387	End	4795
GI	none	Score	207
Exons	4387..4677, 4388..4795, 4446..4778		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	4520	End	4735
GI	none	Score	73
Exons	4520..4666, 4520..4735, 4521..4733		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o6.ts	Method	TBLASTX:Soybean
Start	4589	End	4957
GI	none	Score	138
Exons	4589..4723, 4739..4957		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o7.ts	Method	TBLASTX:Soybean
Start	5428	End	5790
GI	none	Score	184
Exons	5428..5790		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.np	Method	AAT/NAP
Start	6604	End	12060
GI	2689221	Score	779
Exons	6604..7209, 11543..12060		
GI Descrip.	(Y10098) 7-ethoxycoumarin O-deethylase [Helianthus tuberosus]		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	6608	End	7210
GI	none	Score	269
Exons	6608..7210, 6610..7209		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	6610	End	11931
GI	none	Score	317
Exons	6610..6687, 6679..7209, 6680..7210, 11735..11878, 11878..11931		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.tw	Method	TBLASTX:Wheat
Start	6628	End	6949
GI	none	Score	72
Exons	6628..6678, 6682..6837, 6773..6835, 6847..6948, 6848..6949		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	6680	End	7210
GI	none	Score	169
Exons	6680..6835, 6680..6793, 6682..6837, 6838..6975, 6838..7209, 6845..7210, 7022..7210		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.tm	Method	TBLASTX:Maize
Start	11609	End	11931
GI	none	Score	63
Exons	11609..11845, 11763..11828, 11831..11884, 11835..11885, 11884..11931		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.gs	Method	GENSCAN
Start	1376	End	2829
GI	none	Score	.98
Exons	1376..1461, 1686..2829		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.np	Method	AAT/NAP
Start	1696	End	3909
GI	6862923	Score	552
Exons	1696..2813, 3867..3909		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	1765	End	2814
GI	none	Score	165
Exons	1765..1917, 1924..2013, 2308..2499, 2343..2501, 2545..2814, 2547..2813		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o2.tw	Method	TBLASTX:Wheat
Start	2130	End	2400

GI	none	Score	56
Exons	2130..2183, 2131..2181, 2242..2295, 2293..2400, 2308..2397, 2343..2399		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.ts	Method	TBLASTX:Soybean
Start	2236	End	2817
GI	none	Score	54
Exons	2236..2286, 2290..2499, 2340..2501, 2545..2817, 2547..2816		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tc	Method	TBLASTX:Cress
Start	2428	End	2796
GI	none	Score	84
Exons	2428..2499, 2433..2498, 2509..2796, 2541..2696		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tw	Method	TBLASTX:Wheat
Start	2428	End	2796
GI	none	Score	77
Exons	2428..2505, 2551..2706, 2719..2796		

Seq. No.	6092	Seq. ID	OJ991213_04.0207.C8
Gene No.	12847	Strand	+
Start	94	End	361
Name	OJ991213_04.0207.C8.o1.gs	Method	GENSCAN
Start	94	End	361
GI	none	Score	.58
Exons	94..212, 269..361		

Seq. No.	6092	Seq. ID	OJ991213_04.0207.C8
Gene No.	12848	Strand	-
Start	485	End	695
Name	OJ991213_04.0207.C8.o2.gs	Method	GENSCAN
Start	485	End	695
GI	none	Score	.45
Exons	485..695		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12849	Strand	+
Start	238	End	5764
Name	OJ991213_04.0207.C9.o1.gs	Method	GENSCAN
Start	238	End	5764
GI	none	Score	.61
Exons	238..299, 2316..2435, 3533..3682, 3841..3881, 4492..4621, 4689..4983, 5012..5301, 5321..5764		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12849	Strand	+
Start	238	End	5764
Name	OJ991213_04.0207.C9.o1.np	Method	AAT/NAP

Start	4624	End	5746
GI	4680501	Score	383
Exons	4624..5746		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	4696	End	5743
GI	none	Score	81
Exons	4696..4842, 4842..4877, 5077..5148, 5188..5310, 5299..5433, 5300..5443, 5471..5743		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	5077	End	5743
GI	none	Score	64
Exons	5077..5148, 5188..5310, 5262..5315, 5299..5433, 5300..5440, 5471..5743, 5503..5721		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	5342	End	5743
GI	none	Score	78
Exons	5342..5437, 5435..5644, 5648..5743		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tc	Method	TBLASTX:Cress
Start	5456	End	5743
GI	none	Score	201
Exons	5456..5743, 5503..5709		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o2.gs	Method	GENSCAN
Start	6683	End	8409
GI	none	Score	.54
Exons	6683..7039, 7831..7941, 8323..8409		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.np	Method	AAT/NAP
Start	956	End	2966
GI	6862923	Score	554
Exons	956..2070, 2873..2966		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
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Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	1016	End	2068
GI	none	Score	167
Exons	1016..1174, 1020..1178, 1050..1181, 1197..1268, 1500..1742, 1577..1756, 1794..1958, 1828..1959, 1988..2068		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	1017	End	1433
GI	none	Score	171
Exons	1017..1178, 1034..1177, 1197..1268, 1389..1433		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	1376	End	1658
GI	none	Score	71
Exons	1376..1438, 1389..1475, 1497..1658, 1503..1640		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	1500	End	1769
GI	none	Score	228
Exons	1500..1742, 1500..1769		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	1500	End	2071
GI	none	Score	256
Exons	1500..1742, 1568..1756, 1794..1958, 1826..1969, 1984..2070, 1988..2071		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.gs	Method	GENSCAN
Start	43	End	5222
GI	none	Score	.75
Exons	43..132, 622..804, 1018..1533, 2809..2886, 4059..5222		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.np	Method	AAT/NAP
Start	413	End	1386
GI	4538896	Score	806
Exons	413..1386		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	1060	End	1458
GI	none	Score	291
Exons	1060..1458, 1108..1233, 1272..1412		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.np	Method	AAT/NAP
Start	3781	End	5339
GI	6862923	Score	549
Exons	3781..3842, 4187..5339		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	4194	End	9196
GI	none	Score	111
Exons	4194..4343, 4413..4460, 4560..4631, 4674..4952, 4766..4930, 4968..5216, 4968..5237, 8177..8302, 8612..8869, 8617..8871, 8906..9196, 8906..9181		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o3.np	Method	AAT/NAP
Start	4199	End	6301
GI	82523	Score	192
Exons	4199..4226, 5648..5832, 6197..6301		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi 12034 emb CAA33940 (X15901) ORF249 [Oryza sativa] gi 12068 emb CAA33921 (X15901) ORF249 [Oryza sativa] gi 226655 prf 1603356CF ORF 249 [Oryza sativa]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.gp	Method	AAT/GAP
Start	4426	End	5144
GI	4880967	Score	1353
Exons	4426..5144		
GI Descrip.	2642158 2.0e-12 (AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tw	Method	TBLASTX:Wheat
Start	4556	End	8770
GI	none	Score	88
Exons	4556..4621, 4557..4670, 4666..4824, 4668..4823, 4677..4832,		

4769..4831, 8501..8554, 8520..8555, 8521..8556, 8604..8675,
8606..8764, 8617..8769, 8618..8770

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tc	Method	TBLASTX:Cress
Start	4674	End	8883
GI	none	Score	268
Exons	4674..4958, 8612..8869, 8641..8883		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	4674	End	9196
GI	none	Score	266
Exons	4674..4952, 4766..4930, 4968..5258, 8611..8841, 8612..8869, 8906..9196, 8914..9162		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.tc	Method	TBLASTX:Cress
Start	4962	End	9196
GI	none	Score	207
Exons	4962..5276, 4965..5204, 4967..5206, 8906..9196, 8906..9130		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o4.np	Method	AAT/NAP
Start	6061	End	9178
GI	4680341	Score	340
Exons	6061..6079, 8510..9178		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.gp	Method	AAT/GAP
Start	6870	End	7039
GI	23897_1.R1084	Score	229
Exons	6870..7039		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o3.gp	Method	AAT/GAP
Start	7989	End	8512
GI	uC-osflM202047c12b1	Score	949
Exons	7989..8512		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No. 6095
 Gene No. 12852
 Start 43
 Name OJ991213_04.0207.C12.o2.gs
 Start 8075
 GI none
 Exons 8075..9235

Seq. ID OJ991213_04.0207.C12
 Strand +
 End 9235
 Method GENSCAN
 End 9235
 Score .76

Seq. No. 6096
 Gene No. 12853
 Start 377
 Name OJ991213_04.0207.C13.o1.gs
 Start 377
 GI none
 Exons 377..519, 938..1385

Seq. ID OJ991213_04.0207.C13
 Strand +
 End 1385
 Method GENSCAN
 End 1385
 Score .54

Seq. No. 6096
 Gene No. 12854
 Start 5716
 Name OJ991213_04.0207.C13.o3.gs
 Start 5716
 GI none
 Exons 5716..5867

Seq. ID OJ991213_04.0207.C13
 Strand -
 End 5867
 Method GENSCAN
 End 5867
 Score .53

Seq. No. 6097
 Gene No. 12855
 Start 1
 Name OJ991213_04.0207.C15.o1.np
 Start 1
 GI 6466937
 Exons 1..3366

Seq. ID OJ991213_04.0207.C15
 Strand -
 End 3936
 Method AAT/NAP
 End 3366
 Score 1756

GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No. 6097
 Gene No. 12855
 Start 1
 Name OJ991213_04.0207.C15.o2.np
 Start 1
 GI 3810596
 Exons 1..130, 1480..1706, 1776..2751, 2876..3128, 3213..3389, 3573..3726, 3793..3936

Seq. ID OJ991213_04.0207.C15
 Strand -
 End 3936
 Method AAT/NAP
 End 3936
 Score 547

GI Descrip. (AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No. 6097
 Gene No. 12856
 Start 6828
 Name OJ991213_04.0207.C15.o3.np
 Start 6828
 GI 6862923
 Exons 6828..7999

Seq. ID OJ991213_04.0207.C15
 Strand -
 End 8021
 Method AAT/NAP
 End 7999
 Score 573

GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No. 6097
 Gene No. 12856
 Start 6828

Seq. ID OJ991213_04.0207.C15
 Strand -
 End 8021

Name	OJ991213_04.0207.C15.o4.np	Method	AAT/NAP
Start	6924	End	8021
GI	4680338	Score	452
Exons	6924..8021		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o3.tm	Method	TBLASTX:Maize
Start	4	End	420
GI	none	Score	84
Exons	4..420, 10..189, 14..334		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o3.ts	Method	TBLASTX:Soybean
Start	13	End	396
GI	none	Score	149
Exons	13..396, 14..385		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tw	Method	TBLASTX:Wheat
Start	253	End	648
GI	none	Score	131
Exons	253..648, 266..490		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.tm	Method	TBLASTX:Maize
Start	421	End	830
GI	none	Score	61
Exons	421..654, 708..830, 708..830		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	831	End	1368
GI	none	Score	229
Exons	831..1367, 1051..1368		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.ts	Method	TBLASTX:Soybean
Start	831	End	1088
GI	none	Score	200
Exons	831..1088		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530

Name	OJ991213_04.0207.C15.o3.tw	Method	TBLASTX:Wheat
Start	996	End	1397
GI	none	Score	149
Exons	996..1397, 1030..1395		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.ts	Method	TBLASTX:Soybean
Start	1110	End	1481
GI	none	Score	112
Exons	1110..1481, 1132..1308, 1170..1475		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1876
GI	none	Score	167
Exons	1392..1868, 1395..1847, 1411..1863, 1417..1875, 1610..1876		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	1446	End	1928
GI	none	Score	211
Exons	1446..1928, 1471..1851		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tc	Method	TBLASTX:Cress
Start	1476	End	1799
GI	none	Score	186
Exons	1476..1799		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.ts	Method	TBLASTX:Soybean
Start	1578	End	1893
GI	none	Score	74
Exons	1578..1892, 1639..1893		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o6.tm	Method	TBLASTX:Maize
Start	2142	End	2760
GI	none	Score	72
Exons	2142..2234, 2347..2565, 2360..2536, 2635..2760, 2636..2728		
Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.tm	Method	TBLASTX:Maize

Start	6934	End	10313
GI	none	Score	36
Exons	6934..6996, 7023..7196, 7030..7188, 7206..7460, 7212..7490, 7237..7485, 7527..7592, 7760..7927, 7773..7934, 10203..10313		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	6945	End	7490
GI	none	Score	105
Exons	6945..7004, 7023..7196, 7030..7188, 7212..7490, 7239..7457, 7321..7488		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.tw	Method	TBLASTX:Wheat
Start	6955	End	7298
GI	none	Score	38
Exons	6955..6996, 7017..7184, 7101..7151, 7236..7298, 7242..7286		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	7206	End	7494
GI	none	Score	106
Exons	7206..7490, 7243..7494		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.tw	Method	TBLASTX:Wheat
Start	7332	End	7592
GI	none	Score	152
Exons	7332..7484, 7333..7494, 7424..7486, 7533..7583, 7533..7592		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.gs	Method	GENSCAN
Start	15106	End	15530
GI	none	Score	.51
Exons	15106..15171, 15380..15530		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12858	Strand	+
Start	191	End	296
Name	OJ991213_04.0207.C16.o2.gp	Method	AAT/GAP
Start	191	End	296
GI	5816518	Score	160
Exons	191..296		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
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Gene No.	12859	Strand	+
Start	5308	End	6008
Name	OJ991213_04.0207.C16.o5.gp	Method	AAT/GAP
Start	5308	End	6008
GI	5816518	Score	157
Exons	5308..5413, 5977..6008		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	3761181	Score	287
Exons	1..182		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.np	Method	AAT/NAP
Start	1	End	7582
GI	5091513	Score	1011
Exons	1..105, 1663..1933, 1968..2173, 2695..2950, 2994..3507, 4253..4718, 7395..7582		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.gs	Method	GENSCAN
Start	1374	End	6263
GI	none	Score	.55
Exons	1374..1447, 1667..1774, 1969..2247, 2551..2773, 2820..3588, 4162..4682, 4980..5040, 5831..5888, 6084..6263		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o4.gp	Method	AAT/GAP
Start	5071	End	5299
GI	3761181	Score	347
Exons	5071..5299		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6099	Seq. ID	OJ991213_04.0207.C17
Gene No.	12861	Strand	+
Start	34	End	827
Name	OJ991213_04.0207.C17.o1.np	Method	AAT/NAP
Start	34	End	827
GI	5091512	Score	940
Exons	34..212, 254..385, 433..827		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	6099	Seq. ID	OJ991213_04.0207.C17
Gene No.	12862	Strand	-
Start	156	End	722
Name	OJ991213_04.0207.C17.o1.gs	Method	GENSCAN
Start	156	End	722
GI	none	Score	.98
Exons	156..722		
Seq. No.	6100	Seq. ID	OJ991213_04.0207.C18
Gene No.	12863	Strand	-
Start	204	End	540
Name	OJ991213_04.0207.C18.o1.gs	Method	GENSCAN
Start	204	End	540
GI	none	Score	.56
Exons	204..540		
Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	741
GI	3236253	Score	320
Exons	1..741		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	5	End	268
GI	none	Score	168
Exons	5..268, 6..266		
Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	25	End	457
GI	none	Score	80
Exons	25..72, 131..265, 135..266, 281..457		
Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.gs	Method	GENSCAN
Start	30	End	634
GI	none	Score	.88
Exons	30..634		
Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	125	End	532
GI	none	Score	98

Exons 125..271, 144..281, 148..300, 252..413, 275..481, 289..528, 290..532

Seq. No.	6102	Seq. ID	OJ991103_09.0225.C4
Gene No.	12865	Strand	+
Start	487	End	1089
Name	OJ991103_09.0225.C4.o1.gs	Method	GENSCAN
Start	487	End	1089
GI	none	Score	.7
Exons	487..697, 791..1089		

Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.np	Method	AAT/NAP
Start	442	End	707
GI	3193290	Score	107
Exons	442..707		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...		

Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.gs	Method	GENSCAN
Start	450	End	621
GI	none	Score	.45
Exons	450..621		

Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	520	End	705
GI	none	Score	79
Exons	520..705, 529..690		

Seq. No.	6104	Seq. ID	OJ991103_09.0225.C7
Gene No.	12867	Strand	+
Start	106	End	543
Name	OJ991103_09.0225.C7.o1.np	Method	AAT/NAP
Start	106	End	543
GI	6539570	Score	213
Exons	106..299, 489..543		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6104	Seq. ID	OJ991103_09.0225.C7
Gene No.	12867	Strand	+
Start	106	End	543
Name	OJ991103_09.0225.C7.o1.gs	Method	GENSCAN
Start	139	End	329
GI	none	Score	.47
Exons	139..329		

Seq. No.	6105	Seq. ID	OJ991103_09.0225.C8
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Gene No.	12868	Strand	+
Start	64	End	324
Name	OJ991103_09.0225.C8.o1.gs	Method	GENSCAN
Start	64	End	324
GI	none	Score	.72
Exons	64..152, 245..324		

Seq. No.	6106	Seq. ID	OJ991103_09.0225.C9
Gene No.	12869	Strand	+
Start	132	End	440
Name	OJ991103_09.0225.C9.o1.gs	Method	GENSCAN
Start	132	End	440
GI	none	Score	.42
Exons	132..440		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	733
GI	4206306	Score	274
Exons	1..733		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	3	End	333
GI	none	Score	61
Exons	3..158, 73..159, 189..332, 199..333		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.gs	Method	GENSCAN
Start	439	End	661
GI	none	Score	.93
Exons	439..661		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12871	Strand	+
Start	4941	End	5322
Name	OJ991103_09.0225.C12.o2.gp	Method	AAT/GAP
Start	4941	End	5322
GI	uC-osflcyp033a04b1	Score	647
Exons	4941..5322		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o2.np	Method	AAT/NAP
Start	1	End	8810
GI	5852180	Score	545
Exons	1..56, 3603..4015, 4067..4191, 5171..5224, 8780..8810		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o1.gs	Method	GENSCAN
Start	708	End	3848
GI	none	Score	.45
Exons	708..902, 990..1010, 1104..1337, 1625..2597, 3601..3848		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	2024	End	2392
GI	none	Score	69
Exons	2024..2242, 2121..2237, 2267..2392, 2268..2375		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o3.np	Method	AAT/NAP
Start	2767	End	7556
GI	4263543	Score	55
Exons	2767..2887, 6041..6209, 7530..7556		
GI Descrip.	(AC006250) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o2.gs	Method	GENSCAN
Start	4871	End	7384
GI	none	Score	.85
Exons	4871..4983, 5171..5224, 6268..7384		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12873	Strand	+
Start	908	End	4704
Name	OJ991103_09.0225.C13.o1.gs	Method	GENSCAN
Start	908	End	4704
GI	none	Score	.7
Exons	908..1040, 1084..1195, 2891..2925, 3301..3378, 3506..3536, 4589..4704		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12874	Strand	+
Start	9996	End	10207
Name	OJ991103_09.0225.C13.o3.gs	Method	GENSCAN
Start	9996	End	10207
GI	none	Score	.59
Exons	9996..10021, 10039..10207		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12875	Strand	-
Start	6149	End	8458
Name	OJ991103_09.0225.C13.o2.gs	Method	GENSCAN

Start 6149
GI none
Exons 6149..8458

End 8458
Score .82

Seq. No. 6109 Seq. ID OJ991103_09.0225.C13
Gene No. 12876 Strand -
Start 11404 End 13518
Name OJ991103_09.0225.C13.o1.tm Method TBLASTX:Maize
Start 7892 End 8374
GI none Score 77
Exons 7892..8056, 8057..8215, 8061..8213, 8255..8374

Seq. No. 6109 Seq. ID OJ991103_09.0225.C13
Gene No. 12876 Strand -
Start 11404 End 13518
Name OJ991103_09.0225.C13.o4.gs Method GENSCAN
Start 11404 End 13518
GI none Score .71
Exons 11404..11583, 11876..11948, 12049..12117, 12249..12422,
13000..13174, 13188..13518

Seq. No. 6110 Seq. ID OJ991103_09.0225.C14
Gene No. 12877 Strand +
Start 37 End 987
Name OJ991103_09.0225.C14.o1.gs Method GENSCAN
Start 37 End 987
GI none Score .9
Exons 37..91, 818..987

Seq. No. 6110 Seq. ID OJ991103_09.0225.C14
Gene No. 12878 Strand -
Start 1272 End 5870
Name OJ991103_09.0225.C14.o2.gs Method GENSCAN
Start 1272 End 5632
GI none Score .5
Exons 1272..1362, 2583..3268, 3450..4551, 4612..4922, 5058..5230,
5344..5632

Seq. No. 6110 Seq. ID OJ991103_09.0225.C14
Gene No. 12878 Strand -
Start 1272 End 5870
Name OJ991103_09.0225.C14.o3.np Method AAT/NAP
Start 2096 End 5057
GI 6742729 Score 2582
Exons 2096..2122, 3370..5057
GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 6110 Seq. ID OJ991103_09.0225.C14
Gene No. 12878 Strand -
Start 1272 End 5870
Name OJ991103_09.0225.C14.o1.gp Method AAT/GAP
Start 3372 End 5866
GI 342_1.R1084 Score 3985
Exons 3372..5866
GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tw	Method	TBLASTX:Wheat
Start	3375	End	3935
GI	none	Score	475
Exons	3375..3929, 3385..3897, 3750..3935		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tc	Method	TBLASTX:Cress
Start	3375	End	3646
GI	none	Score	252
Exons	3375..3638, 3385..3642, 3385..3642, 3464..3646		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tm	Method	TBLASTX:Maize
Start	3538	End	4016
GI	none	Score	78
Exons	3538..3747, 3540..4016		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o3.tw	Method	TBLASTX:Wheat
Start	3936	End	4341
GI	none	Score	54
Exons	3936..4016, 3937..4017, 4050..4268, 4050..4292, 4096..4272, 4278..4340, 4291..4341		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.ts	Method	TBLASTX:Soybean
Start	4374	End	4604
GI	none	Score	197
Exons	4374..4604		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	4446	End	4904
GI	none	Score	100
Exons	4446..4637, 4650..4904, 4650..4892		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tw	Method	TBLASTX:Wheat
Start	4480	End	4949
GI	none	Score	157
Exons	4480..4686, 4485..4709, 4687..4779, 4689..4784, 4689..4787, 4773..4895, 4791..4895, 4795..4896, 4893..4949, 4897..4941		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tc	Method	TBLASTX:Cress
Start	4737	End	5085
GI	none	Score	87
Exons	4737..5078, 4740..4922, 4933..5085		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	4818	End	5247
GI	none	Score	94
Exons	4818..5111, 4831..5082, 5161..5247, 5172..5246		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o4.tw	Method	TBLASTX:Wheat
Start	5163	End	5532
GI	none	Score	92
Exons	5163..5321, 5176..5313, 5184..5333, 5185..5331, 5271..5420, 5320..5409, 5330..5428, 5387..5512, 5425..5532		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o4.np	Method	AAT/NAP
Start	5540	End	5870
GI	5852182	Score	418
Exons	5540..5870		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12879	Strand	-
Start	2359	End	2666
Name	OJ991103_09.0225.C15.o1.gp	Method	AAT/GAP
Start	2359	End	2666
GI	61605_3.R1084	Score	439
Exons	2359..2666		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o1.np	Method	AAT/NAP
Start	3048	End	7480
GI	6063554	Score	270
Exons	3048..3223, 3865..3892, 4362..4598, 4716..4913, 7436..7480		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
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Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o2.gp	Method	AAT/GAP
Start	3669	End	4398
GI	101153 1.R1084	Score	414
Exons	3669..3892, 4362..4398		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4), genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o2.gs	Method	GENSCAN
Start	5567	End	8508
GI	none	Score	.49
Exons	5567..5794, 7047..7194, 7222..7314, 8425..8508		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12881	Strand	-
Start	9211	End	9272
Name	OJ991103_09.0225.C15.o3.gp	Method	AAT/GAP
Start	9211	End	9272
GI	5003807	Score	70
Exons	9211..9272		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12882	Strand	+
Start	206	End	545
Name	OJ991103_09.0225.C16.o1.gs	Method	GENSCAN
Start	206	End	545
GI	none	Score	.96
Exons	206..446, 528..545		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12883	Strand	-
Start	57	End	470
Name	OJ991103_09.0225.C16.o1.gp	Method	AAT/GAP
Start	57	End	470
GI	700098	Score	435
Exons	57..192, 340..470		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.gs	Method	GENSCAN
Start	810	End	2192
GI	none	Score	.49
Exons	810..862, 912..1103, 1176..1431, 2044..2192		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.np	Method	AAT/NAP
Start	916	End	2810
GI	4539660	Score	1894
Exons	916..2810		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o4.tw	Method	TBLASTX:Wheat
Start	926	End	1260
GI	none	Score	99
Exons	926..1249, 928..1260		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o5.tm	Method	TBLASTX:Maize
Start	952	End	1167
GI	none	Score	79
Exons	952..1167, 959..1165		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1600
GI	none	Score	185
Exons	1168..1596, 1168..1599, 1406..1600		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.tw	Method	TBLASTX:Wheat
Start	1261	End	1887
GI	none	Score	182
Exons	1261..1887, 1442..1882		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o4.tm	Method	TBLASTX:Maize
Start	1611	End	1827
GI	none	Score	73
Exons	1611..1712, 1612..1827, 1613..1804		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.ts	Method	TBLASTX:Soybean
Start	1735	End	2109
GI	none	Score	56
Exons	1735..1914, 1736..1807, 1826..1906, 1892..2095, 1930..2109		
Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o3.tm	Method	TBLASTX:Maize
Start	1828	End	2247
GI	none	Score	98
Exons	1828..2247, 1841..1978, 1855..2040, 2018..2245		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o3.tw	Method	TBLASTX:Wheat
Start	1894	End	2352
GI	none	Score	219
Exons	1894..2352, 1895..2269		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.tm	Method	TBLASTX:Maize
Start	2450	End	2808
GI	none	Score	281
Exons	2450..2806, 2452..2808, 2497..2808		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.tw	Method	TBLASTX:Wheat
Start	2452	End	2805
GI	none	Score	47
Exons	2452..2805, 2453..2491, 2510..2800		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12885	Strand	+
Start	4328	End	5003
Name	OJ991103_09.0225.C17.o2.gs	Method	GENSCAN
Start	4328	End	5003
GI	none	Score	.77
Exons	4328..4356, 4751..5003		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.np	Method	AAT/NAP
Start	1	End	2812
GI	4680179	Score	1274
Exons	1..864, 892..1384, 1670..2648, 2683..2812		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	11100
GI	none	Score	165
Exons	3..281, 17..283, 10877..11038, 11044..11100		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.tw	Method	TBLASTX:Wheat
Start	3	End	208
GI	none	Score	121
Exons	3..173, 14..208		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.tm	Method	TBLASTX:Maize
Start	38	End	206
GI	none	Score	84
Exons	38..205, 50..202, 72..206		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.tm	Method	TBLASTX:Maize
Start	206	End	11598
GI	none	Score	122
Exons	206..631, 240..689, 11212..11346, 11229..11354, 11350..11598		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.tw	Method	TBLASTX:Wheat
Start	260	End	11628
GI	none	Score	262
Exons	260..631, 264..674, 692..742, 11229..11354, 11356..11628, 11363..11551		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.np	Method	AAT/NAP
Start	1543	End	5880
GI	6539553	Score	827
Exons	1543..1770, 2494..2616, 5334..5880		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.gp	Method	AAT/GAP
Start	3398	End	5021
GI	5003807	Score	709
Exons	3398..3524, 4001..4054, 4654..4737, 4885..5021		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.gs	Method	GENSCAN
Start	5371	End	6940
GI	none	Score	.43
Exons	5371..5896, 5993..6196, 6389..6408, 6920..6940		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.tm	Method	TBLASTX:Maize

Start	5438	End	5751
GI	none	Score	265
Exons	5438..5728, 5440..5751, 5443..5733		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.tw	Method	TBLASTX:Wheat
Start	5500	End	5886
GI	none	Score	217
Exons	5500..5886, 5501..5875		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o5.np	Method	AAT/NAP
Start	6648	End	10903
GI	2832637	Score	62
Exons	6648..6695, 9448..9657, 10855..10903		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o6.np	Method	AAT/NAP
Start	7885	End	11733
GI	6466937	Score	540
Exons	7885..7979, 10664..11733		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o4.gs	Method	GENSCAN
Start	9345	End	11687
GI	none	Score	.66
Exons	9345..9531, 10726..10829, 10877..10956, 10973..11383, 11550..11687		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o4.tm	Method	TBLASTX:Maize
Start	9511	End	9812
GI	none	Score	.132
Exons	9511..9672, 9511..9690, 9518..9679, 9726..9812		

Seq. No.	6114	Seq. ID	OJ991103_09.0225.C18
Gene No.	12887	Strand	-
Start	124	End	708
Name	OJ991103_09.0225.C18.o1.gs	Method	GENSCAN
Start	124	End	708
GI	none	Score	.54
Exons	124..315, 481..708		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
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Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.np	Method	AAT/NAP
Start	1	End	1598
GI	4544372	Score	610
Exons	1..34, 355..1598		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.tm	Method	TBLASTX:Maize
Start	414	End	767
GI	none	Score	214
Exons	414..767		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.ts	Method	TBLASTX:Soybean
Start	621	End	1016
GI	none	Score	239
Exons	621..1016, 722..916		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.tw	Method	TBLASTX:Wheat
Start	777	End	1136
GI	none	Score	169
Exons	777..1136		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.tw	Method	TBLASTX:Wheat
Start	1167	End	1583
GI	none	Score	91
Exons	1167..1307, 1184..1327, 1359..1583		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.ts	Method	TBLASTX:Soybean
Start	1359	End	1604
GI	none	Score	242
Exons	1359..1604, 1403..1489, 1559..1600		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.tm	Method	TBLASTX:Maize
Start	1377	End	1622
GI	none	Score	97
Exons	1377..1454, 1427..1492, 1440..1508, 1506..1616, 1524..1622		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.np	Method	AAT/NAP
Start	1136	End	11965
GI	6175157	Score	321
Exons	1136..1170, 3038..3645, 5610..5720, 5775..6057, 11938..11965		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o2.gs	Method	GENSCAN
Start	3006	End	9176
GI	none	Score	.52
Exons	3006..3645, 4599..4809, 4852..5174, 5610..6147, 7110..7163, 8279..8375, 8430..9176		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tc	Method	TBLASTX:Cress
Start	3117	End	6013
GI	none	Score	172
Exons	3117..3266, 3339..3395, 3411..3647, 5642..5722, 5765..6013		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tm	Method	TBLASTX:Maize
Start	3123	End	9081
GI	none	Score	92
Exons	3123..3266, 3339..3392, 3400..3618, 3408..3653, 5639..5707, 5759..5950, 8947..8991, 8974..9045, 9037..9081		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.ts	Method	TBLASTX:Soybean
Start	3339	End	6001
GI	none	Score	100
Exons	3339..3392, 3399..3653, 3412..3660, 5771..5887, 5906..6001		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tw	Method	TBLASTX:Wheat
Start	3339	End	3647
GI	none	Score	184
Exons	3339..3389, 3429..3647		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o3.gs	Method	GENSCAN
Start	10165	End	11123
GI	none	Score	.76

Exons 10165..10223, 10904..11123

Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12890	Strand	+
Start	45	End	1168
Name	OJ991103_09.0225.C21.o1.gs	Method	GENSCAN
Start	45	End	1168
GI	none	Score	.48
Exons	45..113, 816..1095, 1122..1168		

Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12891	Strand	-
Start	1742	End	2208
Name	OJ991103_09.0225.C21.o1.gp	Method	AAT/GAP
Start	1742	End	2208
GI	LIB3432-059-P1-K1-D8	Score	718
Exons	1742..2208		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12892	Strand	-
Start	2222	End	5434
Name	OJ991103_09.0225.C21.o2.gp	Method	AAT/GAP
Start	2222	End	4734
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	2222..2276, 4687..4734		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12892	Strand	-
Start	2222	End	5434
Name	OJ991103_09.0225.C21.o2.gs	Method	GENSCAN
Start	4440	End	5434
GI	none	Score	.43
Exons	4440..4497, 4763..4832, 5362..5434		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12893	Strand	+
Start	742	End	822
Name	OJ991103_09.0225.C22.o1.gp	Method	AAT/GAP
Start	742	End	822
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	742..822		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12894	Strand	+
Start	2881	End	6824
Name	OJ991103_09.0225.C22.o1.np	Method	AAT/NAP
Start	2881	End	6824
GI	2832637	Score	104
Exons	2881..2912, 4094..4460, 6745..6824		

GI Descrip. (AL021711) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12895	Strand	-
Start	1287	End	1409
Name	OJ991103_09.0225.C22.o2.gp	Method	AAT/GAP
Start	1287	End	1409
GI	none	Score	188
Exons	1287..1409		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12896	Strand	-
Start	5905	End	6325
Name	OJ991103_09.0225.C22.o1.tm	Method	TBLASTX:Maize
Start	3977	End	4327
GI	none	Score	221
Exons	3977..4327, 3991..4290		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12896	Strand	-
Start	5905	End	6325
Name	OJ991103_09.0225.C22.o2.gs	Method	GENSCAN
Start	5905	End	6325
GI	none	Score	.79
Exons	5905..5928, 6299..6325		

Seq. No.	6119	Seq. ID	OJ990613_36.0204.C1
Gene No.	12897	Strand	-
Start	79	End	478
Name	OJ990613_36.0204.C1.o1.gs	Method	GENSCAN
Start	79	End	478
GI	none	Score	.59
Exons	79..295, 364..478		

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.np	Method	AAT/NAP
Start	5	End	396
GI	2586123	Score	242
Exons	5..67, 96..396		

GI Descrip. (U89511) b-keto acyl reductase [Allium porrum]

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.gs	Method	GENSCAN
Start	79	End	394
GI	none	Score	.95
Exons	79..394		

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.tm	Method	TBLASTX:Maize
Start	83	End	404
GI	none	Score	227

Exons 83..367, 87..404, 351..404

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.ts	Method	TBLASTX:Soybean
Start	141	End	395
GI	none	Score	183
Exons	141..395		

Seq. No.	6121	Seq. ID	OJ990613_36.0204.C4
Gene No.	12899	Strand	-
Start	195	End	253
Name	OJ990613_36.0204.C4.o1.gs	Method	GENSCAN
Start	195	End	253
GI	none	Score	.95
Exons	195..253		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12900	Strand	+
Start	322	End	534
Name	OJ990613_36.0204.C5.o1.gp	Method	AAT/GAP
Start	322	End	534
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	322..356, 460..534		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o3.gs	Method	GENSCAN
Start	9572	End	11348
GI	none	Score	.72
Exons	9572..9640, 9874..10078, 10127..10383, 11259..11348		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o2.gp	Method	AAT/GAP
Start	10100	End	10450
GI	86158_1.R1084	Score	553
Exons	10100..10450		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o3.gp	Method	AAT/GAP
Start	10100	End	10450
GI	86158_1.R1084	Score	555
Exons	10100..10450		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12902	Strand	+
Start	13853	End	15917
Name	OJ990613_36.0204.C5.o4.gs	Method	GENSCAN
Start	13853	End	15917
GI	none	Score	.48
Exons	13853..13911, 13959..14018, 14097..14205, 14335..14460, 15509..15573, 15669..15706, 15712..15917		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12903	Strand	+
Start	22811	End	24181
Name	OJ990613_36.0204.C5.o6.gs	Method	GENSCAN
Start	22811	End	24181
GI	none	Score	.8
Exons	22811..22932, 24052..24181		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o8.gs	Method	GENSCAN
Start	27774	End	33287
GI	none	Score	.61
Exons	27774..28047, 28971..29080, 29343..29404, 30256..30617, 31038..31252, 32041..32074, 32128..32492, 32536..32638, 33223..33287		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o4.gp	Method	AAT/GAP
Start	27817	End	29209
GI	762_3.R1084	Score	834
Exons	27817..28047, 28997..29209		
GI Descrip.	'2130089/pir S65042 6.0e-23 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o2.np	Method	AAT/NAP
Start	27898	End	31399
GI	2130089	Score	1226
Exons	27898..28047, 28997..29080, 29343..29404, 30256..30617, 31038..31252, 31346..31399		
GI Descrip.	2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet gi_1100743 dbj BAA08105 (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o3.np	Method	AAT/NAP
Start	28790	End	34461
GI	6069646	Score	167

Exons 28790..28826, 32093..32484, 34417..34461
 GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
 Gene No. 12904 Strand +
 Start 27774 End 34461
 Name OJ990613_36.0204.C5.o5.gp Method AAT/GAP
 Start 29810 End 31231
 GI 762_1.R1084 Score 1036
 Exons 29810..29858, 30232..30617, 31038..31231
 GI Descrip. '2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
 Gene No. 12904 Strand +
 Start 27774 End 34461
 Name OJ990613_36.0204.C5.o6.gp Method AAT/GAP
 Start 30230 End 31651
 GI 762_1.R1084 Score 1640
 Exons 30230..30617, 31038..31252, 31346..31651
 GI Descrip. '2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
 Gene No. 12904 Strand +
 Start 27774 End 34461
 Name OJ990613_36.0204.C5.o7.gp Method AAT/GAP
 Start 30323 End 31673
 GI 762_1.R1084 Score 1542
 Exons 30323..30617, 31038..31252, 31346..31673
 GI Descrip. '2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
 Gene No. 12904 Strand +
 Start 27774 End 34461
 Name OJ990613_36.0204.C5.o8.gp Method AAT/GAP
 Start 31988 End 32378
 GI 3135538 Score 696
 Exons 31988..32378

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
 Gene No. 12905 Strand +
 Start 42658 End 54173
 Name OJ990613_36.0204.C5.o9.gp Method AAT/GAP
 Start 42628 End 42986
 GI 63612_1.R1084 Score 663

Exons 42628..42986
GI Descrip. '2586127 5.0e-18 (U89510) b-keto acyl reductase [Hordeum vulgare]'

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12905 Strand +
Start 42658 End 54173
Name OJ990613_36.0204.C5.o11.gs Method GENSCAN
Start 42658 End 45928
GI none Score .82
Exons 42658..43343, 45200..45222, 45465..45928

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12905 Strand +
Start 42658 End 54173
Name OJ990613_36.0204.C5.o6.np Method AAT/NAP
Start 42673 End 50320
GI 2586127 Score 780
Exons 42673..43343, 48447..48516, 50072..50320
GI Descrip. (U89510) b-keto acyl reductase [Hordeum vulgare]

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12905 Strand +
Start 42658 End 54173
Name OJ990613_36.0204.C5.o13.gs Method GENSCAN
Start 50096 End 54173
GI none Score .4
Exons 50096..50309, 51346..51369, 51472..51508, 52729..52933, 53277..53412, 53449..53559, 53667..53810, 54016..54173

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12906 Strand +
Start 55122 End 55286
Name OJ990613_36.0204.C5.o14.gs Method GENSCAN
Start 55122 End 55286
GI none Score .59
Exons 55122..55286

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12907 Strand +
Start 72784 End 75880
Name OJ990613_36.0204.C5.o10.np Method AAT/NAP
Start 72763 End 75880
GI 3482916 Score 1127
Exons 72763..74636, 75850..75880
GI Descrip. (AC003970) Hypothetical protein [Arabidopsis thaliana]

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12907 Strand +
Start 72784 End 75880
Name OJ990613_36.0204.C5.o18.gs Method GENSCAN
Start 72784 End 74652
GI none Score .99
Exons 72784..74652

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12908 Strand -

Start	826	End	6163
Name	OJ990613_36.0204.C5.o1.np	Method	AAT/NAP
Start	826	End	6163
GI	584892	Score	329
Exons	826..941, 1047..1207, 1287..1432, 1532..1589, 5398..5442, 6088..6163		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi 629805 pir S43516 serine carboxypeptidase I - rice gi 409580 dbj BAA04510.1 (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12909	Strand	-
Start	7110	End	7688
Name	OJ990613_36.0204.C5.o2.gs	Method	GENSCAN
Start	7110	End	7688
GI	none	Score	.79
Exons	7110..7214, 7500..7688		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12910	Strand	-
Start	18241	End	18726
Name	OJ990613_36.0204.C5.o5.gs	Method	GENSCAN
Start	18241	End	18726
GI	none	Score	.54
Exons	18241..18726		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12911	Strand	-
Start	26044	End	26332
Name	OJ990613_36.0204.C5.o7.gs	Method	GENSCAN
Start	26044	End	26332
GI	none	Score	.62
Exons	26044..26204, 26260..26332		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12912	Strand	-
Start	33857	End	34009
Name	OJ990613_36.0204.C5.o9.gs	Method	GENSCAN
Start	33857	End	34009
GI	none	Score	.92
Exons	33857..34009		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12913	Strand	-
Start	37335	End	39567
Name	OJ990613_36.0204.C5.o5.np	Method	AAT/NAP
Start	37335	End	39567
GI	2213632	Score	567
Exons	37335..37375, 38493..38626, 38882..39567		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12914	Strand	-
Start	48570	End	49404
Name	OJ990613_36.0204.C5.o12.gs	Method	GENSCAN
Start	48570	End	49404

GI	none	Score	.84
Exons	48570..48695, 48766..48918, 49054..49404		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12915	Strand	-
Start	52361	End	55804
Name	OJ990613_36.0204.C5.o7.np	Method	AAT/NAP
Start	52361	End	55804
GI	5902444	Score	820
Exons	52361..53609, 55758..55804		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o15.gs	Method	GENSCAN
Start	56422	End	65781
GI	none	Score	.75
Exons	56422..56612, 56642..56736, 56794..57073, 58036..58060, 58644..58689, 58816..58929, 59245..59366, 59470..59541, 60773..60922, 64368..64503, 64569..64713, 64872..64974, 65088..65287, 65354..65499, 65603..65781		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o8.np	Method	AAT/NAP
Start	56519	End	57042
GI	4895198	Score	232
Exons	56519..56556, 56642..56740, 56829..57042		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o10.gp	Method	AAT/GAP
Start	57889	End	61058
GI	15766_1.R1084	Score	1391
Exons	57889..58215, 58644..58689, 58816..58929, 59245..59366, 59470..59541, 60773..60870, 61037..61058		
GI Descrip.	'3169175/gb AAC17818.1 2.0e-36 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o9.np	Method	AAT/NAP
Start	58135	End	65727
GI	6119535	Score	722
Exons	58135..58215, 58644..58689, 58816..58929, 59245..59366, 59470..59600, 64358..64439, 64554..64675, 64839..64974, 65088..65287, 65354..65499, 65603..65727		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-

Start	56422	End	65849
Name	OJ990613_36.0204.C5.o11.gp	Method	AAT/GAP
Start	64599	End	64991
GI	none	Score	317
Exons	64599..64670, 64744..64781, 64872..64991		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o12.gp	Method	AAT/GAP
Start	65113	End	65849
GI	25125_1.R1084	Score	999
Exons	65113..65287, 65354..65499, 65603..65849		
GI Descrip.	'3169174/gb AAC17817.1 4.0e-30 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o3.tm	Method	TBLASTX:Maize
Start	791	End	65468
GI	none	Score	92
Exons	791..904, 795..911, 798..911, 799..912, 1008..1121, 1012..1143, 1014..1217, 1162..1209, 1285..1353, 1286..1354, 1357..1401, 1372..1401, 58132..58218, 58145..58222, 58644..58688, 58813..58959, 58813..58926, 58815..58940, 59217..59252, 59245..59373, 59247..59366, 59470..59541, 59471..59530, 64365..64454, 64553..64672, 64560..64676, 64585..64671, 64868..64981, 64870..64980, 65088..65288, 65122..65289, 65352..65420, 65353..65421, 65424..65468		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o2.tc	Method	TBLASTX:Cress
Start	798	End	65667
GI	none	Score	71
Exons	798..923, 1032..1217, 1078..1209, 1285..1431, 1286..1366, 1531..1584, 64569..64673, 64867..64980, 65088..65288, 65158..65295, 65352..65498, 65353..65433, 65602..65667		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o3.ts	Method	TBLASTX:Soybean
Start	798	End	65667
GI	none	Score	65
Exons	798..923, 826..903, 1035..1217, 1078..1209, 1285..1431, 1286..1366, 1531..1584, 64569..64673, 64862..64990, 64870..65013, 64892..65011, 65088..65288, 65158..65295, 65352..65498, 65353..65433, 65602..65667		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o8.tw	Method	TBLASTX:Wheat
Start	801	End	65262

GI none Score 62
Exons 801..944, 802..933, 1015..1170, 1053..1181, 64575..64676,
64873..64977, 65088..65261, 65134..65262

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626
Name OJ990613_36.0204.C5.o1.ts Method TBLASTX:Soybean
Start 27955 End 31147
GI none Score 73
Exons 27955..27999, 27957..27998, 27979..28050, 27982..28053,
28988..29080, 28996..29085, 29340..29411, 29342..29404,
30242..30619, 30247..30552, 30269..30610, 30348..30623,
31031..31147, 31036..31146

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626
Name OJ990613_36.0204.C5.o1.tc Method TBLASTX:Cress
Start 27960 End 31402
GI none Score 152
Exons 27960..28055, 27961..28053, 28952..29083, 28988..29080,
29340..29411, 29342..29410, 30242..30487, 30247..30417,
30488..30619, 30490..30552, 31031..31072, 31045..31257,
31071..31238, 31076..31255, 31340..31402

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626
Name OJ990613_36.0204.C5.o2.tm Method TBLASTX:Maize
Start 27967 End 31405
GI none Score 135
Exons 27967..28053, 27969..28055, 28988..29080, 28990..29085,
29340..29405, 29342..29404, 30242..30619, 30248..30610,
31024..31251, 31031..31255, 31036..31257, 31339..31395,
31340..31405

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626
Name OJ990613_36.0204.C5.o1.tw Method TBLASTX:Wheat
Start 31022 End 31408
GI none Score 372
Exons 31022..31264, 31022..31255, 31030..31257, 31042..31266,
31340..31408

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626
Name OJ990613_36.0204.C5.o4.ts Method TBLASTX:Soybean
Start 31147 End 31411
GI none Score 177
Exons 31147..31257, 31148..31255, 31340..31411

Seq. No. 6122 Seq. ID OJ990613_36.0204.C5
Gene No. 12917 Strand -
Start 69961 End 71626

Name OJ990613_36.0204.C5.o6.tm
 Start 32106
 GI none
 Exons 32106..32483, 32483..32698

Method TBLASTX:Maize
 End 32698
 Score 193

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o6.tw
 Start 32340
 GI none
 Exons 32340..32489, 32483..32641,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Wheat
 End 32778
 Score 119
 32621..32734, 32719..32778

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o4.tw
 Start 37412
 GI none
 Exons 37412..37567, 37423..37563,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Wheat
 End 37712
 Score 153
 37566..37712

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o7.tm
 Start 38896
 GI none
 Exons 38896..39096, 38945..39094,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Maize
 End 39133
 Score 117
 38956..39099, 39077..39133

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o2.tw
 Start 38908
 GI none
 Exons 38908..39090, 38923..39090,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Wheat
 End 39272
 Score 130
 39095..39271, 39105..39272

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o5.tm
 Start 39149
 GI none
 Exons 39149..39214, 39204..39269,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Maize
 End 39888
 Score 46
 39215..39268, 39320..39418,
 39343..39687, 39497..39700, 39766..39888

Seq. No. 6122
 Gene No. 12917
 Start 69961
 Name OJ990613_36.0204.C5.o5.tw
 Start 39403
 GI none
 Exons 39403..39687, 39488..39625,

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626
 Method TBLASTX:Wheat
 End 39861
 Score 75
 39766..39861

Seq. No. 6122
 Gene No. 12917
 Start 69961

Seq. ID OJ990613_36.0204.C5
 Strand -
 End 71626

Name	OJ990613_36.0204.C5.o4.tm	Method	TBLASTX:Maize
Start	42711	End	50293
GI	none	Score	241
Exons	42711..42983, 42712..42984, 42994..43029, 43036..43353, 48447..48518, 48448..48531, 50069..50293, 50074..50244		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o8.ts	Method	TBLASTX:Soybean
Start	42711	End	43041
GI	none	Score	45
Exons	42711..42821, 42712..42822, 42826..43041, 42831..42872		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o4.tc	Method	TBLASTX:Cress
Start	42826	End	43245
GI	none	Score	187
Exons	42826..43041, 43048..43245		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o5.ts	Method	TBLASTX:Soybean
Start	43090	End	50266
GI	none	Score	181
Exons	43090..43344, 48448..48531, 50028..50261, 50069..50266, 50074..50265		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o7.tw	Method	TBLASTX:Wheat
Start	48447	End	50272
GI	none	Score	97
Exons	48447..48518, 48448..48531, 50027..50242, 50069..50272, 50074..50265		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o6.tc	Method	TBLASTX:Cress
Start	56518	End	56981
GI	none	Score	150
Exons	56518..56559, 56639..56725, 56829..56981		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o7.ts	Method	TBLASTX:Soybean
Start	58132	End	59366
GI	none	Score	98
Exons	58132..58218, 58148..58219, 58644..58697, 58815..58940, 58816..58950, 59247..59321, 59331..59366		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o17.gs	Method	GENSCAN
Start	69961	End	71626
GI	none	Score	.65
Exons	69961..70179, 71119..71285, 71337..71398, 71583..71626		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	72887	End	74594
GI	none	Score	77
Exons	72887..73015, 72901..73083, 72957..73073, 73081..73173, 73087..73164, 73108..73281, 73108..73272, 73326..73442, 73327..73443, 73381..73545, 73429..73545, 73444..73638, 73456..73545, 73477..73638, 73567..73845, 73603..73767, 73633..74034, 73744..74274, 73744..74070, 73878..74240, 74257..74577, 74268..74594		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o3.tc	Method	TBLASTX:Cress
Start	72934	End	74160
GI	none	Score	91
Exons	72934..73074, 72946..73095, 72946..73095, 73087..73326, 73105..73266, 73111..73374, 73198..73452, 73204..73359, 73272..73559, 73291..73596, 73315..73485, 73321..73596, 73342..73617, 73363..73545, 73369..73638, 73477..74064, 73555..73746, 73702..73977, 73854..74012, 73918..74160, 74035..74145		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o6.ts	Method	TBLASTX:Soybean
Start	72937	End	73988
GI	none	Score	81
Exons	72937..73068, 73090..73188, 73315..73443, 73405..73545, 73426..73596, 73606..73968, 73618..73827, 73860..73988		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o3.tw	Method	TBLASTX:Wheat
Start	73087	End	74226
GI	none	Score	73
Exons	73087..73188, 73093..73266, 73186..73359, 73315..73467, 73372..73593, 73405..73593, 73465..73653, 73606..73821, 73708..74178, 73887..74012, 74002..74118, 74052..74183, 74179..74226		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612

Name	OJ990613_36.0204.C5.o2.ts	Method	TBLASTX:Soybean
Start	74038	End	74577
GI	none	Score	177
Exons	74038..74259, 74272..74577, 74274..74534, 74362..74544		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o5.tc	Method	TBLASTX:Cress
Start	74347	End	74612
GI	none	Score	227
Exons	74347..74610, 74349..74612		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o1.gs	Method	GENSCAN
Start	322	End	19251
GI	none	Score	.54
Exons	322..382, 545..677, 948..1083, 4894..5170, 5384..5569, 5822..6157, 6706..6854, 8288..8446, 8544..8655, 8740..8859, 10459..10616, 11616..11650, 11744..11900, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 17032..17145, 17472..17739, 18114..19251		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o1.gp	Method	AAT/GAP
Start	5894	End	16294
GI	14604_1.R1084	Score	3344
Exons	5894..6063, 8288..8446, 8544..8655, 8740..8859, 10459..10616, 11251..11419, 11609..11650, 11744..11900, 12706..12759, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 15984..16294		
GI Descrip.	'3763916 1.0e-145 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o2.np	Method	AAT/NAP
Start	5908	End	16087
GI	6850311	Score	1079
Exons	5908..6063, 8288..8446, 8544..8655, 8740..8859, 10459..10611, 11243..11423, 11613..11650, 11744..11900, 12706..12759, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 15984..16087		
GI Descrip.	(AC009999) Contains similarity to a vacuolar sorting receptor homolog from Arabidopsis thaliana gb U79959.		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o3.np	Method	AAT/NAP
Start	18161	End	19341

GI 6862923 Score 332
 Exons 18161..18767, 18805..19341
 GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No. 6123 Seq. ID OJ990613_36.0204.C6
 Gene No. 12920 Strand +
 Start 24238 End 28598
 Name OJ990613_36.0204.C6.o4.np Method AAT/NAP
 Start 24238 End 28598
 GI 3935152 Score 1653
 Exons 24238..25035, 25112..25285, 25905..26066, 26780..26922,
 27291..27366, 27463..27635, 27714..27795, 28181..28270,
 28499..28598

GI Descrip. (AC005106) T25N20.16 [Arabidopsis thaliana]

Seq. No. 6123 Seq. ID OJ990613_36.0204.C6
 Gene No. 12920 Strand +
 Start 24238 End 28598
 Name OJ990613_36.0204.C6.o3.gs Method GENSCAN
 Start 26795 End 28258
 GI none Score .73
 Exons 26795..26922, 27291..27366, 27463..27635, 27714..27795,
 28181..28258

Seq. No. 6123 Seq. ID OJ990613_36.0204.C6
 Gene No. 12921 Strand -
 Start 3312 End 3418
 Name OJ990613_36.0204.C6.o1.np Method AAT/NAP
 Start 3312 End 3418
 GI 6721547 Score 91
 Exons 3312..3418
 GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 6123 Seq. ID OJ990613_36.0204.C6
 Gene No. 12922 Strand -
 Start 22694 End 28268
 Name OJ990613_36.0204.C6.o3.tm Method TBLASTX:Maize
 Start 8279 End 16084
 GI none Score 238
 Exons 8279..8449, 8286..8444, 8287..8445, 8525..8656, 8541..8672,
 8541..8654, 8737..8763, 8739..8855, 8742..8855, 10451..10618,
 10452..10616, 10459..10617, 10460..10621, 11245..11313,
 11248..11313, 11309..11419, 11313..11420, 11610..11651,
 11615..11650, 11729..11905, 11742..11900, 12685..12756,
 12702..12761, 12705..12761, 12706..12774, 12847..12951,
 12850..12945, 13318..13455, 13319..13390, 13320..13460,
 13320..13478, 14556..14633, 14560..14634, 14561..14635,
 15785..15865, 15786..15866, 15787..15867, 15797..15871,
 15805..15885, 15961..16077, 15967..16077, 15983..16081,
 15983..16084

Seq. No. 6123 Seq. ID OJ990613_36.0204.C6
 Gene No. 12922 Strand -
 Start 22694 End 28268
 Name OJ990613_36.0204.C6.o5.ts Method TBLASTX:Soybean
 Start 8279 End 10595
 GI none Score 121

Exons 8279..8449, 8553..8654, 8556..8672, 8739..8843, 8739..8810,
10452..10595, 10457..10591

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tw	Method	TBLASTX:Wheat
Start	11263	End	11782
GI	none	Score	61
Exons	11263..11313, 11263..11304, 11309..11419, 11313..11420, 11607..11651, 11612..11638, 11741..11782		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o4.tm	Method	TBLASTX:Maize
Start	18159	End	19179
GI	none	Score	108
Exons	18159..18284, 18160..18297, 18484..18576, 18679..18750, 18844..18906, 19003..19179		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o3.ts	Method	TBLASTX:Soybean
Start	18483	End	19260
GI	none	Score	76
Exons	18483..18575, 18484..18576, 18622..18750, 18678..18749, 18844..18906, 19003..19179, 19180..19260		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.gs	Method	GENSCAN
Start	22694	End	26033
GI	none	Score	.57
Exons	22694..23361, 24291..24885, 25136..25277, 25621..25727, 25974..26033		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.tc	Method	TBLASTX:Cress
Start	24280	End	24591
GI	none	Score	139
Exons	24280..24369, 24288..24368, 24429..24590, 24430..24591		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o5.tm	Method	TBLASTX:Maize
Start	24280	End	24504
GI	none	Score	142
Exons	24280..24369, 24288..24368, 24429..24503, 24430..24504		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-

Start	22694	End	28268
Name	OJ990613_36.0204.C6.o4.ts	Method	TBLASTX:Soybean
Start	24280	End	24573
GI	none	Score	122
Exons	24280..24369, 24429..24569, 24430..24573		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	24504	End	26922
GI	none	Score	148
Exons	24504..24587, 24505..24591, 24664..25038, 24664..25053, 25098..25283, 25102..25311, 25139..25288, 25904..26068, 25905..26069, 26776..26862, 26777..26914, 26777..26905, 26778..26906, 26779..26922		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tc	Method	TBLASTX:Cress
Start	24727	End	27567
GI	none	Score	172
Exons	24727..24876, 24735..24857, 24976..25029, 25111..25311, 25139..25288, 25904..26068, 25905..26069, 26777..26920, 26779..26922, 27270..27371, 27271..27381, 27459..27536, 27463..27504, 27526..27567		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.ts	Method	TBLASTX:Soybean
Start	24766	End	25949
GI	none	Score	62
Exons	24766..24900, 24783..24890, 24783..24905, 24784..24909, 24922..25038, 25087..25311, 25113..25280, 25139..25288, 25905..25949		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.ts	Method	TBLASTX:Soybean
Start	26770	End	28267
GI	none	Score	111
Exons	26770..26862, 26777..26920, 26779..26922, 26814..26921, 27270..27389, 27271..27381, 27459..27635, 27460..27639, 27463..27639, 27690..27797, 27712..27795, 28159..28263, 28181..28267		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.tm	Method	TBLASTX:Maize
Start	27270	End	28268
GI	none	Score	95
Exons	27270..27371, 27281..27367, 27285..27371, 27289..27372, 27459..27635, 27460..27639, 27463..27639, 27711..27806,		

27712..27795, 28159..28260, 28178..28267, 28179..28259,
28179..28268, 28180..28260, 28181..28267

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	2759
GI	2244772	Score	828
Exons	1..21, 548..706, 786..1049, 1784..1888, 2616..2759		
GI Descrip.	(297335) transport protein [Arabidopsis thaliana]		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.tc	Method	TBLASTX:Cress
Start	542	End	1010
GI	none	Score	83
Exons	542..706, 543..707, 544..708, 544..708, 545..709, 783..926, 785..907, 927..1010, 927..995		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	542	End	2771
GI	none	Score	62
Exons	542..628, 543..629, 544..708, 545..709, 782..1045, 783..1049, 924..1049, 1807..1884, 1808..1888, 2613..2771, 2615..2767		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	543	End	2960
GI	none	Score	230
Exons	543..707, 544..708, 544..708, 545..709, 761..1045, 783..1049, 783..1049, 1781..1882, 1807..1887, 1808..1888, 2600..2767, 2612..2857, 2613..2774, 2774..2818, 2889..2942, 2889..2960, 2890..2946		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.gs	Method	GENSCAN
Start	545	End	2762
GI	none	Score	.92
Exons	545..706, 786..1049, 1784..1888, 2616..2762		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.gp	Method	AAT/GAP
Start	579	End	3029
GI	4756_1.R1084	Score	1734
Exons	579..706, 786..1049, 1784..1888, 2616..3029		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450		

[Arabidopsis thaliana].'

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o2.tc	Method	TBLASTX:Cress
Start	1808	End	2762
GI	none	Score	111
Exons	1808..1888, 2612..2758, 2613..2762, 2613..2759		

Seq. No.	6125	Seq. ID	OJ990613_36.0204.C8
Gene No.	12924	Strand	+
Start	81	End	252
Name	OJ990613_36.0204.C8.o1.gs	Method	GENSCAN
Start	81	End	252
GI	none	Score	.58
Exons	81..252		

Seq. No.	6126	Seq. ID	OJ990923_14.0228.C1
Gene No.	12925	Strand	+
Start	201	End	302
Name	OJ990923_14.0228.C1.o1.gs	Method	GENSCAN
Start	201	End	302
GI	none	Score	.77
Exons	201..302		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.np	Method	AAT/NAP
Start	1	End	976
GI	6069646	Score	381
Exons	1..976		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	490	End	769
GI	none	Score	297
Exons	490..645, 494..769		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	499	End	850
GI	none	Score	149
Exons	499..666, 503..685, 803..850		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+

Start 1
 Name OJ990923_14.0228.C5.o1.gs
 Start 562
 GI none
 Exons 562..750

End 976
 Method GENSCAN
 End 750
 Score .65

Seq. No. 6128
 Gene No. 12927
 Start 3364
 Name OJ990923_14.0228.C6.o1.np
 Start 3364
 GI 6069646
 Exons 3364..3633

Seq. ID OJ990923_14.0228.C6
 Strand +
 End 3633
 Method AAT/NAP
 End 3633
 Score 157

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 6128
 Gene No. 12928
 Start 689
 Name OJ990923_14.0228.C6.o1.gs
 Start 689
 GI none
 Exons 689..781, 852..1013

Seq. ID OJ990923_14.0228.C6
 Strand -
 End 1013
 Method GENSCAN
 End 1013
 Score .96

Seq. No. 6128
 Gene No. 12929
 Start 1419
 Name OJ990923_14.0228.C6.o2.gs
 Start 1419
 GI none
 Exons 1419..1657, 3125..3232, 3384..3490, 6353..6494, 7360..7429

Seq. ID OJ990923_14.0228.C6
 Strand -
 End 7429
 Method GENSCAN
 End 7429
 Score .49

Seq. No. 6129
 Gene No. 12930
 Start 389
 Name OJ990923_14.0228.C7.o1.gs
 Start 389
 GI none
 Exons 389..548, 618..708, 839..1415

Seq. ID OJ990923_14.0228.C7
 Strand -
 End 1415
 Method GENSCAN
 End 1415
 Score .6

Seq. No. 6130
 Gene No. 12931
 Start 1
 Name OJ990923_14.0228.C8.o1.np
 Start 1
 GI 4678208
 Exons 1..328, 471..555

Seq. ID OJ990923_14.0228.C8
 Strand -
 End 555
 Method AAT/NAP
 End 555
 Score 484

GI Descrip. (AC007134) putative sugar transporter [Arabidopsis thaliana]

Seq. No. 6130
 Gene No. 12931
 Start 1
 Name OJ990923_14.0228.C8.o1.ts
 Start 1

Seq. ID OJ990923_14.0228.C8
 Strand -
 End 555
 Method TBLASTX:Soybean
 End 543

GI none
Exons 1..306, 2..301, 472..543

Score 238

Seq. No. 6130
Gene No. 12931
Start 1
Name OJ990923_14.0228.C8.o1.tm
Start 1
GI none
Exons 1..306, 2..301, 472..543

Seq. ID OJ990923_14.0228.C8
Strand -
End 555
Method TBLASTX:Maize
End 543
Score 302

Seq. No. 6130
Gene No. 12931
Start 1
Name OJ990923_14.0228.C8.o1.gs
Start 65
GI none
Exons 65..328

Seq. ID OJ990923_14.0228.C8
Strand -
End 555
Method GENSCAN
End 328
Score .9

Seq. No. 6131
Gene No. 12932
Start 182
Name OJ990923_14.0228.C11.o1.gp
Start 182
GI none
Exons 182..619

Seq. ID OJ990923_14.0228.C11
Strand +
End 619
Method AAT/GAP
End 619
Score 718

Seq. No. 6131
Gene No. 12932
Start 182
Name OJ990923_14.0228.C11.o1.gs
Start 205
GI none
Exons 205..313, 570..608

Seq. ID OJ990923_14.0228.C11
Strand +
End 619
Method GENSCAN
End 608
Score .53

Seq. No. 6132
Gene No. 12933
Start 1206
Name OJ990923_14.0228.C12.o1.gs
Start 1206
GI none
Exons 1206..1335, 1415..1597, 1697..2480, 2492..3116

Seq. ID OJ990923_14.0228.C12
Strand +
End 3684
Method GENSCAN
End 3116
Score .72

Seq. No. 6132
Gene No. 12933
Start 1206
Name OJ990923_14.0228.C12.o1.gp
Start 1413
GI 48291_1.R1084
Exons 1413..1597, 1697..2102

Seq. ID OJ990923_14.0228.C12
Strand +
End 3684
Method AAT/GAP
End 2102
Score 1073

GI Descrip. '1778093 3.0e-48 (U64902) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]'

Seq. No. 6132
Gene No. 12933
Start 1206

Seq. ID OJ990923_14.0228.C12
Strand +
End 3684

Name	OJ990923_14.0228.C12.o1.np	Method	AAT/NAP
Start	1438	End	3301
GI	1778095	Score	1569
Exons	1438..1597, 1697..3092, 3235..3301		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12933	Strand	+
Start	1206	End	3684
Name	OJ990923_14.0228.C12.o3.gp	Method	AAT/GAP
Start	2733	End	3684
GI	87881_1.R1084	Score	1760
Exons	2733..3684		
GI Descrip.	'2464913/emb CAB16808.1 2.0e-20 (Z99708) sugar transporter like protein [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12934	Strand	+
Start	7489	End	9019
Name	OJ990923_14.0228.C12.o3.gs	Method	GENSCAN
Start	7489	End	9019
GI	none	Score	.92
Exons	7489..7549, 8008..8218, 8278..8359, 8474..9019		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o4.gs	Method	GENSCAN
Start	9594	End	10724
GI	none	Score	.91
Exons	9594..10724		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o3.np	Method	AAT/NAP
Start	10140	End	13942
GI	6630696	Score	6552
Exons	10140..13942		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o4.gp	Method	AAT/GAP
Start	10182	End	11074
GI	101595_1.R1084	Score	1440
Exons	10182..10883, 10999..11074		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+

Start	9594	End	13945
Name	OJ990923_14.0228.C12.o5.gs	Method	GENSCAN
Start	12149	End	13945
GI	none	Score	.52
Exons	12149..13945		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12936	Strand	+
Start	16309	End	16783
Name	OJ990923_14.0228.C12.o5.gp	Method	AAT/GAP
Start	16309	End	16783
GI	none	Score	814
Exons	16309..16783		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12937	Strand	+
Start	16882	End	17431
Name	OJ990923_14.0228.C12.o6.gp	Method	AAT/GAP
Start	16882	End	17431
GI	none	Score	1023
Exons	16882..17431		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12938	Strand	-
Start	2231	End	2616
Name	OJ990923_14.0228.C12.o2.gp	Method	AAT/GAP
Start	2231	End	2616
GI	uC-osrocyp002h08a1	Score	746
Exons	2231..2616		
GI Descrip.	'4678208/gb AAD26954.1 AC007134_12 7.0e-27 (AC007134) putative sugar transporter [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tm	Method	TBLASTX:Maize
Start	1513	End	19014
GI	none	Score	104
Exons	1513..1596, 1524..1601, 1695..2111, 1696..2142, 2047..2139, 2057..2140, 4910..5356, 4911..5357, 5499..5603, 18595..18747, 18733..19014		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	19282
GI	none	Score	98
Exons	1519..1596, 1521..1601, 1695..2240, 1696..2364, 2376..2474, 2377..2475, 2465..2662, 2478..2696, 2700..3086, 2723..2980, 4007..4327, 4008..4331, 4358..4630, 4391..4675, 4470..4676, 4685..5356, 4686..5402, 5499..5570, 18218..18358, 18280..18411, 18595..18753, 18596..18718, 18739..19050, 18770..18973, 19196..19282		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-

Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tc	Method	TBLASTX:Cress
Start	1543	End	19279
GI	none	Score	85
Exons	1543..1596, 1545..1601, 1695..1904, 1696..1902, 5150..5356, 5193..5357, 5499..5564, 19196..19279		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tw	Method	TBLASTX:Wheat
Start	2070	End	18708
GI	none	Score	382
Exons	2070..2240, 2071..2352, 4700..4981, 4701..4982, 18595..18708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	2101	End	18708
GI	none	Score	237
Exons	2101..2370, 2115..2237, 2350..2472, 2376..2474, 2377..2475, 4569..4676, 4571..4675, 4679..4951, 4806..4937, 18601..18708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	2142	End	18411
GI	none	Score	283
Exons	2142..2240, 2143..2358, 2353..2475, 2367..2477, 2370..2477, 2465..3112, 2466..3152, 3941..4321, 4011..4322, 4328..4693, 4337..4663, 4697..4909, 4701..4910, 18218..18400, 18274..18411		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tc	Method	TBLASTX:Cress
Start	2480	End	4565
GI	none	Score	197
Exons	2480..2716, 2481..2699, 2759..2788, 2760..2789, 4259..4288, 4356..4565, 4400..4564		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tc	Method	TBLASTX:Cress
Start	2817	End	4231
GI	none	Score	268
Exons	2817..3092, 2840..2980, 2970..3038, 4010..4231, 4023..4208		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.gs	Method	GENSCAN
Start	3935	End	5585
GI	none	Score	.89

Exons 3935..5355, 5498..5585

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.np	Method	AAT/NAP
Start	3941	End	5624
GI	4678208	Score	1472
Exons	3941..5355, 5498..5624		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tw	Method	TBLASTX:Wheat
Start	10034	End	10431
GI	none	Score	128
Exons	10034..10132, 10035..10169, 10146..10430, 10220..10411, 10249..10431		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.tm	Method	TBLASTX:Maize
Start	10182	End	10490
GI	none	Score	317
Exons	10182..10490, 10229..10411, 10282..10425, 10311..10487		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tm	Method	TBLASTX:Maize
Start	11013	End	11357
GI	none	Score	376
Exons	11013..11285, 11014..11286, 11015..11287, 11015..11287, 11316..11357		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.ts	Method	TBLASTX:Soybean
Start	11331	End	11711
GI	none	Score	88
Exons	11331..11480, 11463..11711		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o7.tm	Method	TBLASTX:Maize
Start	11469	End	11933
GI	none	Score	300
Exons	11469..11933		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.tw	Method	TBLASTX:Wheat

Start	11576	End	11775
GI	none	Score	265
Exons	11576..11773, 11577..11774, 11584..11775, 11584..11775		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.ts	Method	TBLASTX:Soybean
Start	11721	End	12119
GI	none	Score	199
Exons	11721..11942, 11723..11938, 11946..12119		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tw	Method	TBLASTX:Wheat
Start	11776	End	12523
GI	none	Score	261
Exons	11776..12129, 11777..12136, 11780..12145, 11784..12146, 12121..12240, 12131..12523, 12131..12241, 12132..12455, 12334..12519, 12341..12523		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.ts	Method	TBLASTX:Soybean
Start	12443	End	12907
GI	5509260	Score	389
Exons	12443..12907, 12538..12699, 12593..12793		
GI Descrip.	-		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tc	Method	TBLASTX:Cress
Start	12536	End	12796
GI	none	Score	291
Exons	12536..12796, 12538..12708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tm	Method	TBLASTX:Maize
Start	12577	End	13042
GI	none	Score	355
Exons	12577..12708, 12578..13042, 12713..12793, 12829..12882		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tw	Method	TBLASTX:Wheat
Start	12578	End	13123
GI	none	Score	320
Exons	12578..12922, 12595..12759, 12917..13123		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-

Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.ts	Method	TBLASTX:Soybean
Start	12976	End	13327
GI	none	Score	141
Exons	12976..13140, 12977..13135, 13135..13323, 13136..13324, 13145..13327		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tm	Method	TBLASTX:Maize
Start	13103	End	13475
GI	none	Score	358
Exons	13103..13474, 13126..13473, 13227..13475		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tw	Method	TBLASTX:Wheat
Start	13331	End	13806
GI	none	Score	105
Exons	13331..13405, 13332..13391, 13336..13404, 13420..13806, 13421..13801		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.ts	Method	TBLASTX:Soybean
Start	13337	End	13678
GI	none	Score	97
Exons	13337..13450, 13372..13440, 13469..13678, 13474..13599		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12940	Strand	+
Start	403	End	3504
Name	OJ990923_14.0228.C13.o1.gs	Method	GENSCAN
Start	403	End	3504
GI	none	Score	.4
Exons	403..414, 2556..2683, 2741..3036, 3175..3265, 3308..3504		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.gp	Method	AAT/GAP
Start	261	End	3051
GI	28754_1.R1084	Score	922
Exons	261..499, 1231..1384, 2937..3051		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.np	Method	AAT/NAP
Start	456	End	1387
GI	3935169	Score	209
Exons	456..499, 1231..1387		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.tm	Method	TBLASTX:Maize
Start	1230	End	1385
GI	none	Score	171
Exons	1230..1385, 1232..1384, 1233..1385		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o1.np	Method	AAT/NAP
Start	177	End	4109
GI	5902444	Score	953
Exons	177..230, 2076..2291, 2413..4109		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o2.tw	Method	TBLASTX:Wheat
Start	2493	End	2840
GI	none	Score	74
Exons	2493..2606, 2516..2569, 2595..2840, 2612..2785		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o2.np	Method	AAT/NAP
Start	2652	End	5198
GI	6498434	Score	117
Exons	2652..2698, 4571..4788, 5031..5198		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o1.tw	Method	TBLASTX:Wheat
Start	3474	End	4211
GI	none	Score	124
Exons	3474..3656, 3485..3655, 3693..3929, 3695..3919, 4076..4165, 4077..4166, 4098..4211, 4106..4171		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o2.np	Method	AAT/NAP
Start	1925	End	5953
GI	5902445	Score	1175
Exons	1925..3166, 5906..5953		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o2.gs	Method	GENSCAN

Start	5409	End	11102
GI	none	Score	.64
Exons	5409..5493, 6655..6761, 8052..8142, 9019..9251, 9394..9540, 10590..10662, 10728..10879, 10972..11102		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o3.np	Method	AAT/NAP
Start	6572	End	7916
GI	6630699	Score	82
Exons	6572..6605, 7839..7916		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o4.np	Method	AAT/NAP
Start	8046	End	8482
GI	6539570	Score	124
Exons	8046..8247, 8409..8482		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.np	Method	AAT/NAP
Start	930	End	4980
GI	4680183	Score	133
Exons	930..1019, 4957..4980		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o2.tw	Method	TBLASTX:Wheat
Start	1912	End	2219
GI	none	Score	96
Exons	1912..2034, 1913..2035, 2037..2219, 2060..2218, 2061..2219		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	2033	End	2351
GI	none	Score	357
Exons	2033..2341, 2037..2351		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.tw	Method	TBLASTX:Wheat
Start	2220	End	2639
GI	none	Score	420
Exons	2220..2639, 2450..2638		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o2.tm	Method	TBLASTX:Maize
Start	2406	End	2750
GI	none	Score	291
Exons	2406..2750, 2415..2462, 2450..2722		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	2412	End	2648
GI	none	Score	218
Exons	2412..2648, 2510..2638		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o3.tw	Method	TBLASTX:Wheat
Start	2799	End	3145
GI	none	Score	82
Exons	2799..2930, 2942..3145		

Seq. No.	6136	Seq. ID	OJ990923_14.0228.C17
Gene No.	12945	Strand	-
Start	1	End	597
Name	OJ990923_14.0228.C17.o1.np	Method	AAT/NAP
Start	1	End	597
GI	5902444	Score	769
Exons	1..597		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6136	Seq. ID	OJ990923_14.0228.C17
Gene No.	12945	Strand	-
Start	1	End	597
Name	OJ990923_14.0228.C17.o1.gs	Method	GENSCAN
Start	205	End	594
GI	none	Score	.98
Exons	205..594		

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.np	Method	AAT/NAP
Start	1	End	642
GI	6721515	Score	89
Exons	1..276, 621..642		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.gs	Method	GENSCAN
Start	112	End	300
GI	none	Score	.97

Exons 112..300

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	348	End	642
GI	none	Score	207
Exons	348..641, 436..633, 448..642		

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o2.np	Method	AAT/NAP
Start	369	End	642
GI	4680209	Score	116
Exons	369..642		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.gs	Method	GENSCAN
Start	319	End	660
GI	none	Score	.85
Exons	319..660		

Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	319	End	717
GI	none	Score	63
Exons	319..393, 325..399, 392..577, 409..612, 413..526, 450..578, 631..717, 637..717		

Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	325	End	720
GI	none	Score	290
Exons	325..720, 326..718		

Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.gp	Method	AAT/GAP
Start	412	End	720
GI	83775_1.R1084	Score	541
Exons	412..720		
GI Descrip.	'4538911/emb CAB39648.1 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540

Name	OJ990923_14.0228.C22.ol.np	Method	AAT/NAP
Start	1	End	540
GI	5902448	Score	892
Exons	1..540		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540
Name	OJ990923_14.0228.C22.ol.gs	Method	GENSCAN
Start	166	End	540
GI	none	Score	.87
Exons	166..540		

Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540
Name	OJ990923_14.0228.C22.ol.tw	Method	TBLASTX:Wheat
Start	181	End	363
GI	none	Score	65
Exons	181..363, 182..349		

Seq. No.	6140	Seq. ID	OJ990923_14.0228.C24
Gene No.	12949	Strand	-
Start	13	End	481
Name	OJ990923_14.0228.C24.ol.gs	Method	GENSCAN
Start	13	End	481
GI	none	Score	.84
Exons	13..116, 459..481		

Seq. No.	6141	Seq. ID	OJ990923_14.0228.C26
Gene No.	12950	Strand	+
Start	1	End	249
Name	OJ990923_14.0228.C26.ol.np	Method	AAT/NAP
Start	1	End	249
GI	4680186	Score	271
Exons	1..249		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.ol.np	Method	AAT/NAP
Start	1	End	508
GI	4678208	Score	388
Exons	1..98, 241..508		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.ol.gs	Method	GENSCAN
Start	11	End	500
GI	none	Score	.86
Exons	11..98, 241..500		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
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Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.ol.tm	Method	TBLASTX:Maize
Start	26	End	506
GI	none	Score	88
Exons	26..97, 226..303, 239..505, 240..506		
Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.ol.ts	Method	TBLASTX:Soybean
Start	26	End	506
GI	none	Score	85
Exons	26..97, 194..505, 240..506		
Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.ol.tc	Method	TBLASTX:Cress
Start	32	End	446
GI	none	Score	82
Exons	32..97, 239..403, 240..446		
Seq. No.	6143	Seq. ID	OJ990923_14.0228.C29
Gene No.	12952	Strand	-
Start	1	End	917
Name	OJ990923_14.0228.C29.ol.np	Method	AAT/NAP
Start	1	End	577
GI	6907089	Score	924
Exons	1..577		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	6143	Seq. ID	OJ990923_14.0228.C29
Gene No.	12952	Strand	-
Start	1	End	917
Name	OJ990923_14.0228.C29.ol.gs	Method	GENSCAN
Start	7	End	917
GI	none	Score	.7
Exons	7..596, 805..917		
Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.ol.np	Method	AAT/NAP
Start	1	End	705
GI	6498441	Score	586
Exons	1..173, 504..705		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.ol.gs	Method	GENSCAN
Start	82	End	670
GI	none	Score	.53

Exons 82..670

Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	388	End	705
GI	none	Score	247
Exons	388..561, 389..703, 389..700, 583..705		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12954	Strand	+
Start	1	End	1333
Name	OJ990923_14.0228.C33.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	5902444	Score	1893
Exons	1..1330		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12954	Strand	+
Start	1	End	1333
Name	OJ990923_14.0228.C33.o1.gs	Method	GENSCAN
Start	74	End	1333
GI	none	Score	.44
Exons	74..122, 136..274, 647..1333		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	665	End	1459
GI	none	Score	143
Exons	665..841, 886..1122, 890..1120, 1169..1459, 1225..1440		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	973	End	1168
GI	none	Score	186
Exons	973..1119, 974..1168		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.np	Method	AAT/NAP
Start	1397	End	1768
GI	5902445	Score	593
Exons	1397..1768		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.tw	Method	TBLASTX:Wheat
Start	1460	End	1767

GI	none	Score	106
Exons	1460..1756, 1461..1766, 1462..1767		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	1470	End	1767
GI	none	Score	287
Exons	1470..1763, 1471..1767		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12956	Strand	+
Start	1	End	2188
Name	OJ990923_14.0228.C34.o1.np	Method	AAT/NAP
Start	1	End	2188
GI	5902445	Score	3477
Exons	1..2188		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o4.tw	Method	TBLASTX:Wheat
Start	2	End	322
GI	none	Score	55
Exons	2..145, 3..149, 5..319, 227..322		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.ts	Method	TBLASTX:Soybean
Start	314	End	702
GI	none	Score	87
Exons	314..418, 322..408, 454..702, 458..700		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o3.tw	Method	TBLASTX:Wheat
Start	323	End	754
GI	none	Score	411
Exons	323..754, 328..669		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o3.tm	Method	TBLASTX:Maize
Start	377	End	649
GI	none	Score	128
Exons	377..547, 551..649		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o5.tw	Method	TBLASTX:Wheat
Start	761	End	1060

GI	none	Score	130
Exons	761..895, 928..1059, 962..1060		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.tm	Method	TBLASTX:Maize
Start	1057	End	1420
GI	none	Score	446
Exons	1057..1380, 1058..1381, 1373..1420		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.tw	Method	TBLASTX:Wheat
Start	1061	End	1452
GI	none	Score	413
Exons	1061..1222, 1063..1374, 1064..1450, 1259..1450, 1405..1452		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o4.tm	Method	TBLASTX:Maize
Start	1522	End	1795
GI	none	Score	99
Exons	1522..1620, 1523..1621, 1612..1686, 1616..1699, 1709..1795		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.tw	Method	TBLASTX:Wheat
Start	1565	End	2179
GI	none	Score	342
Exons	1565..2056, 1585..1674, 1715..1744, 1726..1929, 2048..2179		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.tm	Method	TBLASTX:Maize
Start	1877	End	2140
GI	none	Score	165
Exons	1877..2059, 1999..2058, 2038..2139, 2039..2140		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.gs	Method	GENSCAN
Start	2521	End	4497
GI	none	Score	.64
Exons	2521..2946, 3479..3678, 3966..4102, 4179..4497		
Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.np	Method	AAT/NAP
Start	2533	End	4712
GI	6691716	Score	1309

Exons 2533..2972, 3046..3159, 3302..3404, 3479..3666, 3744..3939, 4016..4102, 4179..4348, 4558..4712
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 6147 Seq. ID OJ990923_14.0228.C35
 Gene No. 12958 Strand -
 Start 1 End 508
 Name OJ990923_14.0228.C35.ol.np Method AAT/NAP
 Start 1 End 469
 GI 5902448 Score 757
 Exons 1..469
 GI Descrip. (AB030283) orf3 [Oryza sativa]

Seq. No. 6147 Seq. ID OJ990923_14.0228.C35
 Gene No. 12958 Strand -
 Start 1 End 508
 Name OJ990923_14.0228.C35.ol.gs Method GENSCAN
 Start 95 End 508
 GI none Score .58
 Exons 95..508

Seq. No. 6147 Seq. ID OJ990923_14.0228.C35
 Gene No. 12958 Strand -
 Start 1 End 508
 Name OJ990923_14.0228.C35.ol.tw Method TBLASTX:Wheat
 Start 110 End 292
 GI none Score 65
 Exons 110..292, 111..278

Seq. No. 6148 Seq. ID OJ990923_14.0228.C39
 Gene No. 12959 Strand -
 Start 1 End 874
 Name OJ990923_14.0228.C39.ol.np Method AAT/NAP
 Start 1 End 874
 GI 1363528 Score 92
 Exons 1..226, 838..874
 GI Descrip. gag protein - maize gi|507845 (U11059) gag gene product [Zea mays]

Seq. No. 6148 Seq. ID OJ990923_14.0228.C39
 Gene No. 12959 Strand -
 Start 1 End 874
 Name OJ990923_14.0228.C39.ol.gs Method GENSCAN
 Start 54 End 856
 GI none Score .8
 Exons 54..248, 379..537, 590..856

Seq. No. 6149 Seq. ID OJ990923_14.0228.C40
 Gene No. 12960 Strand -
 Start 17 End 139
 Name OJ990923_14.0228.C40.ol.gs Method GENSCAN
 Start 17 End 139
 GI none Score .48
 Exons 17..139

Seq. No.	6150	Seq. ID	OJ990923_14.0228.C41
Gene No.	12961	Strand	+
Start	333	End	449
Name	OJ990923_14.0228.C41.o1.gs	Method	GENSCAN
Start	333	End	449
GI	none	Score	.46
Exons	333..449		

Seq. No.	6151	Seq. ID	OJ990923_14.0228.C43
Gene No.	12962	Strand	+
Start	592	End	1029
Name	OJ990923_14.0228.C43.o1.gs	Method	GENSCAN
Start	592	End	1029
GI	none	Score	.54
Exons	592..781, 917..1029		

Seq. No.	6152	Seq. ID	OJ990923_14.0228.C44
Gene No.	12963	Strand	+
Start	624	End	1877
Name	OJ990923_14.0228.C44.o1.gs	Method	GENSCAN
Start	624	End	1877
GI	none	Score	.73
Exons	624..739, 900..1044, 1329..1465, 1616..1877		

Seq. No.	6152	Seq. ID	OJ990923_14.0228.C44
Gene No.	12964	Strand	-
Start	1469	End	1909
Name	OJ990923_14.0228.C44.o1.np	Method	AAT/NAP
Start	1469	End	1909
GI	5042454	Score	68
Exons	1469..1536, 1886..1909		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6153	Seq. ID	OJ990923_14.0228.C46
Gene No.	12965	Strand	
Start	10	End	377
Name	OJ990923_14.0228.C46.o1.tm	Method	TBLASTX:Maize
Start	10	End	377
GI	none	Score	210
Exons	10..204, 11..367, 60..326, 134..334, 256..342, 330..368, 332..376, 333..377		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12966	Strand	+
Start	141	End	515
Name	OJ990923_14.0228.C47.o1.gp	Method	AAT/GAP
Start	141	End	515
GI	uC-osflcyp033a04b1	Score	614
Exons	141..515		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12967	Strand	+
Start	2774	End	3672
Name	OJ990923_14.0228.C47.o2.gs	Method	GENSCAN
Start	2774	End	3160

GI	none	Score	.98
Exons	2774..3160		
Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12967	Strand	+
Start	2774	End	3672
Name	OJ990923_14.0228.C47.o2.np	Method	AAT/NAP
Start	2774	End	3672
GI	5902444	Score	437
Exons	2774..3208, 3652..3672		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12968	Strand	-
Start	71	End	1309
Name	OJ990923_14.0228.C47.o1.gs	Method	GENSCAN
Start	71	End	1270
GI	none	Score	.57
Exons	71..272, 371..424, 562..679, 961..1035, 1117..1270		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12968	Strand	-
Start	71	End	1309
Name	OJ990923_14.0228.C47.o1.np	Method	AAT/NAP
Start	561	End	1309
GI	6815052	Score	542
Exons	561..679, 961..1035, 1117..1309		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	6155	Seq. ID	OJ990923_14.0228.C49
Gene No.	12969	Strand	+
Start	813	End	914
Name	OJ990923_14.0228.C49.o1.gs	Method	GENSCAN
Start	813	End	914
GI	none	Score	.53
Exons	813..914		

Seq. No.	6155	Seq. ID	OJ990923_14.0228.C49
Gene No.	12970	Strand	-
Start	1305	End	1381
Name	OJ990923_14.0228.C49.o1.gp	Method	AAT/GAP
Start	1305	End	1381
GI	4715767	Score	124
Exons	1305..1381		
GI Descrip.	6006355/dbj AP000559.1 AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.gs	Method	GENSCAN
Start	872	End	4649
GI	none	Score	.6
Exons	872..981, 1148..2183, 2407..2747, 2847..3249, 3361..3563, 4346..4557, 4572..4649		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
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Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.np	Method	AAT/NAP
Start	1150	End	3556
GI	6561973	Score	823
Exons	1150..1419, 1639..1950, 2432..2622, 2683..2747, 2847..3249, 3361..3391, 3458..3556		

GI Descrip. (AL132979) zinc finger protein [Arabidopsis thaliana]

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.gp	Method	AAT/GAP
Start	1865	End	2632
GI	none	Score	972
Exons	1865..2183, 2407..2632		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o2.tm	Method	TBLASTX:Maize
Start	1759	End	2189
GI	none	Score	70
Exons	1759..1851, 1760..1852, 1810..1908, 1912..2184, 1914..2126, 2025..2189		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.tc	Method	TBLASTX:Cress
Start	2687	End	3391
GI	none	Score	88
Exons	2687..2749, 2846..2953, 2847..2969, 2951..3067, 2952..3068, 3113..3172, 3141..3173, 3167..3250, 3168..3248, 3350..3391		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.tm	Method	TBLASTX:Maize
Start	2705	End	3254
GI	none	Score	56
Exons	2705..2749, 2708..2749, 2846..3253, 2847..3254		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.ts	Method	TBLASTX:Soybean
Start	2867	End	3208
GI	none	Score	164
Exons	2867..3067, 2868..3056, 3113..3208, 3117..3206		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o2.gs	Method	GENSCAN
Start	6079	End	7863
GI	none	Score	.49

Exons 6079..6171, 7729..7863

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.gs	Method	GENSCAN
Start	693	End	11358
GI	none	Score	.68
Exons	693..953, 1247..1411, 2132..2254, 2409..2582, 3250..3322, 4081..4174, 4517..4622, 5300..5393, 5471..5552, 5751..5864, 6091..6220, 6300..6408, 7473..7609, 7839..8053, 8916..9023, 11256..11358		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.gp	Method	AAT/GAP
Start	1108	End	2463
GI	none	Score	776
Exons	1108..1384, 2132..2254, 2409..2463		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.tm	Method	TBLASTX:Maize
Start	1218	End	3335
GI	none	Score	217
Exons	1218..1412, 1223..1387, 1224..1391, 2109..2255, 2124..2255, 2132..2263, 2132..2257, 2392..2583, 2406..2582, 2409..2594, 3214..3333, 3248..3334, 3249..3335		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o4.ts	Method	TBLASTX:Soybean
Start	1223	End	1376
GI	none	Score	120
Exons	1223..1375, 1251..1376		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.tc	Method	TBLASTX:Cress
Start	1229	End	1388
GI	none	Score	156
Exons	1229..1387, 1230..1388		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.ts	Method	TBLASTX:Soybean
Start	2112	End	2552
GI	none	Score	136
Exons	2112..2240, 2130..2255, 2131..2241, 2132..2257, 2392..2550, 2406..2552		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
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Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.tm	Method	TBLASTX:Maize
Start	4078	End	5739
GI	none	Score	159
Exons	4078..4176, 4081..4170, 4083..4181, 4514..4573, 4515..4589, 4515..4574, 4516..4590, 4517..4591, 4588..4623, 4589..4627, 4590..4640, 5300..5404, 5301..5393, 5473..5553, 5474..5554, 5629..5739, 5636..5737		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.ts	Method	TBLASTX:Soybean
Start	4506	End	5758
GI	none	Score	44
Exons	4506..4574, 4593..4640, 5300..5398, 5301..5393, 5473..5553, 5489..5554, 5629..5757, 5636..5758		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.gp	Method	AAT/GAP
Start	5249	End	5769
GI	29315_1.R1084	Score	515
Exons	5249..5393, 5471..5552, 5634..5769		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.gp	Method	AAT/GAP
Start	5300	End	5692
GI	29315_1.R1084	Score	371
Exons	5300..5393, 5471..5552, 5634..5692		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.tc	Method	TBLASTX:Cress
Start	7271	End	7898
GI	none	Score	93
Exons	7271..7384, 7272..7385, 7466..7528, 7467..7523, 7532..7609, 7533..7604, 7833..7898		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.ts	Method	TBLASTX:Soybean
Start	7271	End	8042
GI	none	Score	39
Exons	7271..7318, 7312..7347, 7314..7397, 7316..7348, 7346..7381, 7465..7590, 7470..7604, 7475..7609, 7833..7946, 7843..7950, 7971..8042, 8008..8031		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.tm	Method	TBLASTX:Maize
Start	7556	End	9037
GI	none	Score	97
Exons	7556..7612, 7558..7608, 7833..8057, 7834..7971, 7837..8058, 7886..8059, 8008..8064, 8870..8974, 8870..9037		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o4.gp	Method	AAT/GAP
Start	7854	End	9119
GI	2428077	Score	705
Exons	7854..8050, 8916..9119		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o5.gp	Method	AAT/GAP
Start	9760	End	10048
GI	3762751	Score	534
Exons	9760..10048		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o6.gp	Method	AAT/GAP
Start	10692	End	10984
GI	2442618	Score	525
Exons	10692..10984		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12974	Strand	+
Start	2007	End	6415
Name	OJ990923_14.0228.C52.o1.gs	Method	GENSCAN
Start	2007	End	6415
GI	none	Score	.51
Exons	2007..2253, 2276..2629, 3105..3201, 4094..4293, 6117..6202, 6326..6415		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12975	Strand	-
Start	1	End	4075
Name	OJ990923_14.0228.C52.o1.np	Method	AAT/NAP
Start	1	End	4075
GI	6755382	Score	1063
Exons	1..454, 1968..2270, 2298..2572, 4054..4075		
GI Descrip.	RuvB-like protein 2 gi 4521249 dbj BAA76297.1 (AB013912) DNA helicase [Mus musculus]		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.tm	Method	TBLASTX:Maize

Start	2	End	447
GI	none	Score	61
Exons	2..85, 3..62, 60..305, 68..301, 302..442, 303..332, 304..447, 305..442, 390..446		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2165
GI	none	Score	50
Exons	2..55, 3..56, 68..241, 90..242, 242..301, 246..305, 302..457, 304..459, 305..457, 1967..1999, 1995..2066, 1999..2058, 2093..2164, 2094..2165		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2484
GI	none	Score	48
Exons	1967..1999, 1971..2000, 1995..2114, 1996..2091, 2093..2164, 2094..2165, 2165..2209, 2166..2288, 2167..2298, 2181..2270, 2266..2418, 2376..2417, 2413..2484, 2418..2483		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.ts	Method	TBLASTX:Soybean
Start	2371	End	2574
GI	none	Score	56
Exons	2371..2418, 2376..2417, 2416..2574, 2418..2573		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.tc	Method	TBLASTX:Cress
Start	2416	End	2574
GI	none	Score	143
Exons	2416..2574, 2418..2573		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.gs	Method	GENSCAN
Start	7107	End	9267
GI	none	Score	.66
Exons	7107..7291, 7697..7758, 9060..9267		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.np	Method	AAT/NAP
Start	1	End	2508
GI	6143887	Score	732
Exons	1..307, 1522..1683, 2152..2508		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.gp	Method	AAT/GAP
Start	107	End	231
GI	569509	Score	232
Exons	107..231		
GI Descrip.	4538911/emb CAB39648.1 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.gs	Method	GENSCAN
Start	122	End	3089
GI	none	Score	.72
Exons	122..307, 1522..1683, 2152..2460, 2791..2952, 2967..3089		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o2.gp	Method	AAT/GAP
Start	2152	End	2805
GI	55494_1.R1084	Score	1194
Exons	2152..2805		
GI Descrip.	'5042155/emb CAB44674.1 1.0e-12 (AL078620) putative protein [Arabidopsis thaliana]'		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o2.gs	Method	GENSCAN
Start	5599	End	7005
GI	none	Score	.7
Exons	5599..6276, 6583..7005		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o2.np	Method	AAT/NAP
Start	5770	End	7002
GI	6277254	Score	973
Exons	5770..6276, 6583..7002		
GI Descrip.	(AB034249) geranylgeranyl pyrophosphate synthase [Croton sublyratus]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o3.gp	Method	AAT/GAP
Start	6581	End	6946
GI	LIB3432-039-P1-K1-F12	Score	706
Exons	6581..6946		
GI Descrip.	'3885426_3.0e-48 (AF020041) geranylgeranyl pyrophosphate synthase [Helianthus annuus]'		

Seq. No. 6159
 Gene No. 12979
 Start 11414
 Name OJ990923_14.0228.C53.o4.gp
 Start 11414
 GI 5038679
 Exons 11414..11817

Seq. ID OJ990923_14.0228.C53
 Strand +
 End 11817
 Method AAT/GAP
 End 11817
 Score 736

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o3.tc
 Start 89
 GI none
 Exons 89..307, 90..173, 103..318, 107..310, 1524..1601, 1525..1602

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Cress
 End 1602
 Score 64

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o1.tm
 Start 90
 GI none
 Exons 90..179, 104..307, 107..307, 1521..1682, 1522..1683, 1523..1684, 2152..2439, 2154..2417, 2406..2513, 2412..2513, 2431..2553, 2513..2548, 2526..2552

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Maize
 End 2553
 Score 290

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o2.ts
 Start 221
 GI none
 Exons 221..286, 223..285, 1522..1680, 1524..1682, 2151..2369, 2155..2514, 2157..2384

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Soybean
 End 2514
 Score 96

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o2.tc
 Start 2191
 GI none
 Exons 2191..2532, 2191..2373, 2193..2384

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Cress
 End 2532
 Score 309

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o1.tc
 Start 5788
 GI none
 Exons 5788..5868, 5869..6162, 5907..6149, 6204..6278, 6205..6291, 6618..7049, 6619..7005

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Cress
 End 7049
 Score 74

Seq. No. 6159
 Gene No. 12980
 Start 10406
 Name OJ990923_14.0228.C53.o4.tm
 Start 5788

Seq. ID OJ990923_14.0228.C53
 Strand -
 End 13900
 Method TBLASTX:Maize
 End 6033

GI	none	Score	205
Exons	5788..6033, 5889..6023		
Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o1.ts	Method	TBLASTX:Soybean
Start	6013	End	7005
GI	none	Score	146
Exons	6013..6162, 6015..6134, 6204..6278, 6205..6285, 6618..7001, 6619..7005		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o3.tm	Method	TBLASTX:Maize
Start	6102	End	6632
GI	none	Score	272
Exons	6102..6278, 6103..6285, 6576..6632, 6577..6630		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o2.tm	Method	TBLASTX:Maize
Start	6649	End	7003
GI	none	Score	476
Exons	6649..7002, 6654..6998, 6665..7003		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o3.gs	Method	GENSCAN
Start	10406	End	13900
GI	none	Score	.73
Exons	10406..10833, 10868..10963, 11972..12091, 12626..12730, 13786..13900		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12981	Strand	+
Start	226	End	4461
Name	OJ990923_14.0228.C54.o1.gs	Method	GENSCAN
Start	226	End	3434
GI	none	Score	.78
Exons	226..2307, 2313..3434		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12981	Strand	+
Start	226	End	4461
Name	OJ990923_14.0228.C54.o1.np	Method	AAT/NAP
Start	404	End	4461
GI	6862939	Score	1069
Exons	404..2930, 2976..3368, 4408..4461		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12982	Strand	+
Start	6975	End	8650

Name	OJ990923_14.0228.C54.o3.gs	Method	GENSCAN
Start	6975	End	8650
GI	none	Score	.56
Exons	6975..8650		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.ts	Method	TBLASTX:Soybean
Start	2104	End	2322
GI	none	Score	195
Exons	2104..2322, 2172..2318		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o1.ts	Method	TBLASTX:Soybean
Start	3030	End	3326
GI	none	Score	182
Exons	3030..3173, 3041..3151, 3237..3326		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.gs	Method	GENSCAN
Start	5324	End	6532
GI	none	Score	.93
Exons	5324..6532		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.np	Method	AAT/NAP
Start	5327	End	6532
GI	5103193	Score	2115
Exons	5327..6532		

GI Descrip. (AP000342) transposase of Tn10 [Plasmid R100]
gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left
transposase [Shigella flexneri]

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12984	Strand	-
Start	6492	End	6642
Name	OJ990923_14.0228.C54.o1.tc	Method	TBLASTX:Cress
Start	6492	End	6642
GI	none	Score	177
Exons	6492..6611, 6492..6611, 6493..6642, 6494..6637		

Seq. No.	6161	Seq. ID	OJ990923_14.0228.C55
Gene No.	12985	Strand	-
Start	642	End	679
Name	OJ990923_14.0228.C55.o1.gs	Method	GENSCAN
Start	642	End	679
GI	none	Score	.51
Exons	642..679		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
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Gene No. 12986
 Start 203
 Name OJ990923_14.0228.C58.o1.gs
 Start 203
 GI none
 Exons 203..378, 805..1651

Strand +
 End 1651
 Method GENSCAN
 End 1651
 Score .94

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o2.gs
 Start 1847
 GI none
 Exons 1847..2485, 2569..3426, 3442..4053

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method GENSCAN
 End 4053
 Score .93

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o1.np
 Start 2229
 GI 4206306
 Exons 2229..4172
 GI Descrip. (AF049110) prpol [Zea mays]

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method AAT/NAP
 End 4172
 Score 1670

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o3.tw
 Start 2282
 GI none
 Exons 2282..2512, 2289..2456, 2512..2712, 2513..2713

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method TBLASTX:Wheat
 End 2713
 Score 114

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o4.tw
 Start 2713
 GI none
 Exons 2713..2904, 2767..2892

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method TBLASTX:Wheat
 End 2904
 Score 73

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o1.ts
 Start 2963
 GI none
 Exons 2963..3055, 2980..3363, 3170..3313

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method TBLASTX:Soybean
 End 3363
 Score 61

Seq. No. 6162
 Gene No. 12987
 Start 1847
 Name OJ990923_14.0228.C58.o2.tw
 Start 2989
 GI none
 Exons 2989..3408, 3095..3355

Seq. ID OJ990923_14.0228.C58
 Strand -
 End 4172
 Method TBLASTX:Wheat
 End 3408
 Score 198

Seq. No. 6162
 Seq. ID OJ990923_14.0228.C58

Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o2.tm	Method	TBLASTX:Maize
Start	3082	End	3465
GI	none	Score	196
Exons	3082..3465, 3095..3355, 3336..3419		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.tm	Method	TBLASTX:Maize
Start	3493	End	3850
GI	none	Score	247
Exons	3493..3849, 3494..3850		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.tw	Method	TBLASTX:Wheat
Start	3523	End	3951
GI	none	Score	277
Exons	3523..3951, 3524..3919, 3649..3735		

Seq. No.	6163	Seq. ID	OJ990923_14.0228.C59
Gene No.	12988	Strand	-
Start	11	End	605
Name	OJ990923_14.0228.C59.o1.gs	Method	GENSCAN
Start	11	End	605
GI	none	Score	.95
Exons	11..605		

Seq. No.	6164	Seq. ID	OJ990923_14.0228.C60
Gene No.	12989	Strand	+
Start	634	End	663
Name	OJ990923_14.0228.C60.o1.gs	Method	GENSCAN
Start	634	End	663
GI	none	Score	.44
Exons	634..663		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.np	Method	AAT/NAP
Start	1	End	1350
GI	1076360	Score	324
Exons	1..115, 299..574, 673..786, 1320..1350		
GI Descrip.	oleoyl-[acyl-carrier-protein] hydrolase (EC 3.1.2.14) - Arabidopsis thaliana gi 2129530 pir S69195 acyl-(acyl carrier protein) thioesterase (clone TE 1-1) - Arabidopsis thaliana gi 634003 emb CAA85387 (Z36910) acyl-(acyl carrier protein) thioesterase [Arabidopsis thaliana]		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.gs	Method	GENSCAN
Start	49	End	786

GI	none	Score	.48
Exons	49..115, 172..661, 673..786		
Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tw	Method	TBLASTX:Wheat
Start	281	End	575
GI	none	Score	239
Exons	281..442, 282..440, 438..575, 440..568, 510..575		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tc	Method	TBLASTX:Cress
Start	311	End	786
GI	none	Score	280
Exons	311..574, 312..575, 673..786, 674..784		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tm	Method	TBLASTX:Maize
Start	311	End	786
GI	none	Score	261
Exons	311..559, 312..575, 673..786, 674..784		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.ts	Method	TBLASTX:Soybean
Start	312	End	786
GI	none	Score	281
Exons	312..575, 314..571, 673..786, 674..784		

Seq. No.	6166	Seq. ID	OJ990923_14.0228.C63
Gene No.	12991	Strand	-
Start	623	End	783
Name	OJ990923_14.0228.C63.o1.np	Method	AAT/NAP
Start	623	End	783
GI	5852084	Score	79
Exons	623..783		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895
Name	OJ990923_14.0228.C64.o1.np	Method	AAT/NAP
Start	1	End	895
GI	6957729	Score	206
Exons	1..64, 609..895		
GI Descrip.	(AC021640) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895

Name	OJ990923_14.0228.C64.ol.gs	Method	GENSCAN
Start	550	End	871
GI	none	Score	.79
Exons	550..871		

Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895
Name	OJ990923_14.0228.C64.ol.gp	Method	AAT/GAP
Start	551	End	895
GI	uC-osf1M202066h10b1	Score	670
Exons	551..895		
GI Descrip.	'4680649/gb AAD27714.1 AF132939_1 9.0e-11 (AF132939) CGI-04 protein [Homo sapiens]'		

Seq. No.	6168	Seq. ID	OJ990923_14.0228.C66
Gene No.	12993	Strand	-
Start	1639	End	1760
Name	OJ990923_14.0228.C66.ol.np	Method	AAT/NAP
Start	1639	End	1760
GI	6498436	Score	162
Exons	1639..1760		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6169	Seq. ID	OJ990923_14.0228.C67
Gene No.	12994	Strand	+
Start	325	End	477
Name	OJ990923_14.0228.C67.ol.gs	Method	GENSCAN
Start	325	End	477
GI	none	Score	.74
Exons	325..477		

Seq. No.	6170	Seq. ID	OJ990923_14.0228.C68
Gene No.	12995	Strand	+
Start	34	End	901
Name	OJ990923_14.0228.C68.ol.np	Method	AAT/NAP
Start	34	End	901
GI	5902448	Score	438
Exons	34..901		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	6170	Seq. ID	OJ990923_14.0228.C68
Gene No.	12995	Strand	+
Start	34	End	901
Name	OJ990923_14.0228.C68.ol.gs	Method	GENSCAN
Start	88	End	548
GI	none	Score	.63
Exons	88..339, 408..548		

Seq. No.	6171	Seq. ID	OJ990923_14.0228.C70
Gene No.	12996	Strand	-
Start	445	End	850
Name	OJ990923_14.0228.C70.ol.gp	Method	AAT/GAP
Start	445	End	850
GI	none	Score	750
Exons	445..850		

Seq. No.	6172	Seq. ID	OJ990923_14.0228.C71
Gene No.	12997	Strand	+
Start	507	End	713
Name	OJ990923_14.0228.C71.o1.gs	Method	GENSCAN
Start	507	End	713
GI	none	Score	.49
Exons	507..713		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.tm	Method	TBLASTX:Maize
Start	1	End	811
GI	none	Score	246
Exons	1..219, 2..226, 116..223, 419..556, 419..595, 523..588, 698..769, 699..770, 710..769, 721..789, 784..810, 785..811		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.gp	Method	AAT/GAP
Start	1	End	712
GI	696_1.R1084	Score	1005
Exons	1..219, 337..712		
GI Descrip.	'584681/sp Q07215 1A11_ORYSA 0.0e+00 1-AMINOCYCLOPROPANE-1-CARBOXYLATE SYNTHASE 1 (ACC SYNTHASE 1) (S-ADENOSYL-L-METHIONINE METHYLTHIOADENOSINE-LYASE 1) >gi_294702 (M96672) 1-aminocyclopropane-1-carboxylate synthase [Oryza sativa]'		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.ts	Method	TBLASTX:Soybean
Start	1	End	582
GI	none	Score	239
Exons	1..219, 2..247, 337..483, 535..582		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.tc	Method	TBLASTX:Cress
Start	1	End	582
GI	none	Score	192
Exons	1..219, 2..160, 4..210, 119..223, 197..247, 337..453, 448..582		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.np	Method	AAT/NAP
Start	1	End	582
GI	131388	Score	585
Exons	1..219, 337..582		
GI Descrip.	OXYGEN-EVOLVING ENHANCER PROTEIN 1 PRECURSOR (OEE1) (33 KD SUBUNIT OF OXYGEN EVOLVING SYSTEM OF PHOTOSYSTEM II) (33 KD THYLAKOID MEMBRANE PROTEIN) gi 100831 pir S16260 photosystem II oxygen-evolving complex protein 1 - common wheat x Sanduri wheat		

gi|21844|emb|CAA40670| (X57408) 33kDa oxygen evolving protein
of photosystem II [Triticum aestivum]

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.gs	Method	GENSCAN
Start	16	End	582
GI	none	Score	.73
Exons	16..219, 337..582		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.np	Method	AAT/NAP
Start	1	End	1411
GI	4929312	Score	292
Exons	1..23, 1166..1411		
GI Descrip.	(AF145045) TATC [Arabidopsis thaliana]		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.gs	Method	GENSCAN
Start	395	End	1362
GI	none	Score	.61
Exons	395..542, 1136..1362		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.gp	Method	AAT/GAP
Start	1135	End	1264
GI	none	Score	232
Exons	1135..1264		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	13000	Strand	-
Start	1320	End	1411
Name	OJ990923_14.0228.C73.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1410
GI	none	Score	370
Exons	1168..1410, 1171..1410		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	13000	Strand	-
Start	1320	End	1411
Name	OJ990923_14.0228.C73.o2.gp	Method	AAT/GAP
Start	1320	End	1411
GI	1191_1.R1084	Score	115
Exons	1320..1411		
GI Descrip.	'4929312/gb AAD33946.1 AF145045_1 1.0e-71 (AF145045) TATC [Arabidopsis thaliana]'		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13001	Strand	+
Start	1	End	514

Name	OJ990923_14.0228.C74.ol.np	Method	AAT/NAP
Start	1	End	514
GI	4929312	Score	296
Exons	1..92, 303..514		
GI Descrip.	(AF145045) TATC [Arabidopsis thaliana]		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.ol.gp	Method	AAT/GAP
Start	279	End	610
GI	1191_1.R1084	Score	558
Exons	279..610		
GI Descrip.	'4929312/gb AAD33946.1 AF145045_1 1.0e-71 (AF145045) TATC [Arabidopsis thaliana]'		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.ol.gs	Method	GENSCAN
Start	323	End	472
GI	none	Score	.48
Exons	323..472		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.ol.tm	Method	TBLASTX:Maize
Start	348	End	523
GI	none	Score	58
Exons	348..383, 349..513, 356..523		

Seq. No.	6176	Seq. ID	OJ990923_14.0228.C76
Gene No.	13003	Strand	+
Start	45	End	253
Name	OJ990923_14.0228.C76.ol.gs	Method	GENSCAN
Start	45	End	253
GI	none	Score	.75
Exons	45..253		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.ol.gs	Method	GENSCAN
Start	391	End	1299
GI	none	Score	.61
Exons	391..1299		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.ol.np	Method	AAT/NAP
Start	410	End	1633
GI	6016874	Score	425
Exons	410..763, 998..1154, 1542..1633		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9		

transposase. (P03010) [Oryza sativa]

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.tm	Method	TBLASTX:Maize
Start	460	End	709
GI	none	Score	242
Exons	460..705, 461..709		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.ts	Method	TBLASTX:Soybean
Start	491	End	1242
GI	none	Score	90
Exons	491..694, 493..699, 1135..1242		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o3.tm	Method	TBLASTX:Maize
Start	921	End	1288
GI	none	Score	38
Exons	921..1031, 935..1267, 940..1287, 1082..1288, 1084..1269		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o2.tm	Method	TBLASTX:Maize
Start	1325	End	1611
GI	none	Score	83
Exons	1325..1423, 1327..1440, 1327..1425, 1429..1596, 1430..1609, 1432..1611		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13005	Strand	-
Start	1	End	1732
Name	OJ990923_14.0228.C79.o1.np	Method	AAT/NAP
Start	1	End	1732
GI	6016874	Score	196
Exons	1..81, 646..901, 1539..1732		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.tm	Method	TBLASTX:Maize
Start	434	End	820
GI	none	Score	64
Exons	434..472, 465..533, 467..529, 470..571, 545..619, 566..820, 598..819, 626..820		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-

Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.gs	Method	GENSCAN
Start	6702	End	7629
GI	none	Score	.99
Exons	6702..6995, 7084..7433, 7551..7629		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.np	Method	AAT/NAP
Start	6719	End	8376
GI	4218004	Score	274
Exons	6719..6876, 6914..6995, 7084..7428, 8296..8376		
GI Descrip.	(AC006135) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tm	Method	TBLASTX:Maize
Start	6933	End	7329
GI	none	Score	64
Exons	6933..7004, 7067..7258, 7081..7329		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.ts	Method	TBLASTX:Soybean
Start	7081	End	7329
GI	none	Score	65
Exons	7081..7329, 7175..7249		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tc	Method	TBLASTX:Cress
Start	7120	End	7329
GI	none	Score	74
Exons	7120..7329, 7175..7228		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tw	Method	TBLASTX:Wheat
Start	7129	End	7329
GI	none	Score	76
Exons	7129..7329, 7175..7252		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.gp	Method	AAT/GAP
Start	7551	End	7833
GI	2311279	Score	498
Exons	7551..7833		

Seq. No.	6179	Seq. ID	OJ990923_14.0228.C80
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Gene No.	13007	Strand	+
Start	2017	End	2423
Name	OJ990923_14.0228.C80.o2.gp	Method	AAT/GAP
Start	2017	End	2423
GI	LIB3432-059-P1-K1-D8	Score	702
Exons	2017..2423		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6180	Seq. ID	OJ990903_13.0225.C1
Gene No.	13008	Strand	-
Start	23	End	118
Name	OJ990903_13.0225.C1.o1.gs	Method	GENSCAN
Start	23	End	118
GI	none	Score	.55
Exons	23..118		

Seq. No.	6180	Seq. ID	OJ990903_13.0225.C1
Gene No.	13009	Strand	-
Start	109	End	256
Name	OJ990903_13.0225.C1.o1.gp	Method	AAT/GAP
Start	109	End	256
GI	21474_1.R1084	Score	232
Exons	109..256		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.gp	Method	AAT/GAP
Start	1	End	1020
GI	none	Score	934
Exons	1..256, 675..857, 958..1020		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.gs	Method	GENSCAN
Start	85	End	1018
GI	none	Score	.7
Exons	85..256, 675..857, 958..1018		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	164	End	866
GI	none	Score	139
Exons	164..256, 164..259, 165..272, 674..703, 679..699, 710..811, 710..859, 723..866		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	942

GI 6437558 Score 332
 Exons 1..249, 850..942
 GI Descrip. (AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]

Seq. No. 6182 Seq. ID OJ990903_13.0225.C4
 Gene No. 13011 Strand +
 Start 1 End 965
 Name OJ990903_13.0225.C4.ol.tc Method TBLASTX:Cress
 Start 19 End 249
 GI none Score 200
 Exons 19..150, 28..159, 142..249, 153..176

Seq. No. 6182 Seq. ID OJ990903_13.0225.C4
 Gene No. 13011 Strand +
 Start 1 End 965
 Name OJ990903_13.0225.C4.ol.tm Method TBLASTX:Maize
 Start 19 End 965
 GI none Score 383
 Exons 19..183, 28..249, 35..241, 841..960, 849..965, 856..960

Seq. No. 6182 Seq. ID OJ990903_13.0225.C4
 Gene No. 13011 Strand +
 Start 1 End 965
 Name OJ990903_13.0225.C4.ol.ts Method TBLASTX:Soybean
 Start 27 End 249
 GI none Score 121
 Exons 27..173, 28..249, 37..177, 39..182

Seq. No. 6182 Seq. ID OJ990903_13.0225.C4
 Gene No. 13011 Strand +
 Start 1 End 965
 Name OJ990903_13.0225.C4.ol.gs Method GENSCAN
 Start 40 End 960
 GI none Score .99
 Exons 40..249, 850..960

Seq. No. 6183 Seq. ID OJ990903_13.0225.C6
 Gene No. 13012 Strand +
 Start 196 End 735
 Name OJ990903_13.0225.C6.ol.gs Method GENSCAN
 Start 196 End 735
 GI none Score .99
 Exons 196..735

Seq. No. 6183 Seq. ID OJ990903_13.0225.C6
 Gene No. 13012 Strand +
 Start 196 End 735
 Name OJ990903_13.0225.C6.ol.np Method AAT/NAP
 Start 218 End 468
 GI 6957706 Score 133
 Exons 218..468
 GI Descrip. (AC021640) hypothetical protein [Arabidopsis thaliana]

Seq. No. 6184 Seq. ID OJ990903_13.0225.C7
 Gene No. 13013 Strand +
 Start 1 End 658
 Name OJ990903_13.0225.C7.ol.np Method AAT/NAP

Start	1	End	658
GI	6815062	Score	735
Exons	1..30, 96..383, 477..658		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6184	Seq. ID	OJ990903_13.0225.C7
Gene No.	13013	Strand	+
Start	1	End	658
Name	OJ990903_13.0225.C7.o1.gs	Method	GENSCAN
Start	103	End	373
GI	none	Score	.87
Exons	103..373		

Seq. No.	6184	Seq. ID	OJ990903_13.0225.C7
Gene No.	13013	Strand	+
Start	1	End	658
Name	OJ990903_13.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	211	End	588
GI	none	Score	218
Exons	211..396, 213..389, 481..564, 559..588		

Seq. No.	6185	Seq. ID	OJ990903_13.0225.C8
Gene No.	13014	Strand	+
Start	1	End	354
Name	OJ990903_13.0225.C8.o1.np	Method	AAT/NAP
Start	1	End	354
GI	6815062	Score	299
Exons	1..36, 136..354		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6186	Seq. ID	OJ990903_13.0225.C9
Gene No.	13015	Strand	-
Start	334	End	761
Name	OJ990903_13.0225.C9.o1.gs	Method	GENSCAN
Start	334	End	761
GI	none	Score	.78
Exons	334..587, 669..761		

Seq. No.	6187	Seq. ID	OJ990903_13.0225.C10
Gene No.	13016	Strand	-
Start	1274	End	1674
Name	OJ990903_13.0225.C10.o1.gs	Method	GENSCAN
Start	1274	End	1674
GI	none	Score	.56
Exons	1274..1353, 1548..1674		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	1454
GI	5903104	Score	489
Exons	1..81, 379..1256, 1377..1454		

GI Descrip. (AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana]
gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.gs	Method	GENSCAN
Start	49	End	1414
GI	none	Score	.58
Exons	49..1272, 1375..1414		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o3.tm	Method	TBLASTX:Maize
Start	151	End	447
GI	none	Score	301
Exons	151..252, 153..443, 154..447, 352..444		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	448	End	718
GI	none	Score	353
Exons	448..717, 454..600, 486..716, 590..718		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	477	End	777
GI	none	Score	369
Exons	477..776, 481..777		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	481	End	771
GI	none	Score	66
Exons	481..552, 561..698, 562..771		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o2.ts	Method	TBLASTX:Soybean
Start	919	End	1248
GI	none	Score	323
Exons	919..1248, 937..1167, 1094..1207		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o2.tc	Method	TBLASTX:Cress

Start 919
 GI none
 Exons 919..1146, 931..1146

End 1146
 Score 216

Seq. No. 6188
 Gene No. 13017
 Start 1
 Name OJ990903_13.0225.C11.o2.tm
 Start 961
 GI none
 Exons 961..999, 976..1008, 1003..1164, 1006..1227, 1016..1222, 1221..1274, 1228..1254, 1232..1282, 1392..1430

Seq. ID OJ990903_13.0225.C11
 Strand +
 End 1454
 Method TBLASTX:Maize
 End 1430
 Score 50

Seq. No. 6189
 Gene No. 13018
 Start 286
 Name OJ990903_13.0225.C14.o1.gs
 Start 286
 GI none
 Exons 286..372, 1073..1348, 1789..1875

Seq. ID OJ990903_13.0225.C14
 Strand +
 End 1875
 Method GENSCAN
 End 1875
 Score .63

Seq. No. 6190
 Gene No. 13019
 Start 127
 Name OJ990903_13.0225.C16.o1.gs
 Start 127
 GI none
 Exons 127..468

Seq. ID OJ990903_13.0225.C16
 Strand -
 End 468
 Method GENSCAN
 End 468
 Score .69

Seq. No. 6191
 Gene No. 13020
 Start 153
 Name OJ990903_13.0225.C19.o1.gs
 Start 153
 GI none
 Exons 153..336, 728..1296

Seq. ID OJ990903_13.0225.C19
 Strand +
 End 1296
 Method GENSCAN
 End 1296
 Score .83

Seq. No. 6192
 Gene No. 13021
 Start 1
 Name OJ990903_13.0225.C20.o1.np
 Start 1
 GI 6907106
 Exons 1..276

Seq. ID OJ990903_13.0225.C20
 Strand +
 End 1128
 Method AAT/NAP
 End 276
 Score 218

GI Descrip. (AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 6192
 Gene No. 13021
 Start 1
 Name OJ990903_13.0225.C20.o1.gs
 Start 27
 GI none
 Exons 27..143, 294..366, 772..939, 1018..1128

Seq. ID OJ990903_13.0225.C20
 Strand +
 End 1128
 Method GENSCAN
 End 1128
 Score .76

Seq. No. 6192
 Gene No. 13021

Seq. ID OJ990903_13.0225.C20
 Strand +

Start	1	End	1128
Name	OJ990903_13.0225.C20.o1.gp	Method	AAT/GAP
Start	152	End	494
GI	15591_1.R1084	Score	324
Exons	152..172, 264..494		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6193	Seq. ID	OJ990903_13.0225.C23
Gene No.	13022	Strand	+
Start	1	End	375
Name	OJ990903_13.0225.C23.o1.gp	Method	AAT/GAP
Start	1	End	375
GI	29916_1.R1084	Score	730
Exons	1..375		
GI Descrip.	'4314378/gb AAD15588 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1 AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	6193	Seq. ID	OJ990903_13.0225.C23
Gene No.	13022	Strand	+
Start	1	End	375
Name	OJ990903_13.0225.C23.o1.gs	Method	GENSCAN
Start	243	End	323
GI	none	Score	.71
Exons	243..323		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13023	Strand	+
Start	618	End	1124
Name	OJ990903_13.0225.C24.o1.gp	Method	AAT/GAP
Start	618	End	1124
GI	29916_1.R1084	Score	976
Exons	618..1124		
GI Descrip.	'4314378/gb AAD15588 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1 AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13023	Strand	+
Start	618	End	1124
Name	OJ990903_13.0225.C24.o1.np	Method	AAT/NAP
Start	618	End	924
GI	6691210	Score	114
Exons	618..924		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.gs	Method	GENSCAN
Start	167	End	902
GI	none	Score	.41
Exons	167..338, 770..902		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-

Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.tm	Method	TBLASTX:Maize
Start	616	End	957
GI	none	Score	373
Exons	616..852, 617..853, 639..887, 639..866, 905..949, 906..944, 907..957, 907..948		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.tw	Method	TBLASTX:Wheat
Start	616	End	1010
GI	none	Score	435
Exons	616..882, 617..883, 617..883, 618..884, 886..945, 889..999, 915..1010, 946..999		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.ts	Method	TBLASTX:Soybean
Start	617	End	838
GI	none	Score	41
Exons	617..661, 680..838, 682..834		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13025	Strand	+
Start	1	End	481
Name	OJ990903_13.0225.C25.o1.np	Method	AAT/NAP
Start	1	End	481
GI	6630699	Score	68
Exons	1..28, 405..481		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13026	Strand	+
Start	607	End	1033
Name	OJ990903_13.0225.C25.o2.np	Method	AAT/NAP
Start	607	End	1033
GI	6539570	Score	183
Exons	607..804, 962..1033		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13026	Strand	+
Start	607	End	1033
Name	OJ990903_13.0225.C25.o1.gs	Method	GENSCAN
Start	649	End	791
GI	none	Score	.8
Exons	649..791		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13027	Strand	-
Start	1752	End	2083
Name	OJ990903_13.0225.C25.o2.gs	Method	GENSCAN
Start	1752	End	2083

GI none
Exons 1752..1926, 1932..2083

Score .72

Seq. No. 6196
Gene No. 13028
Start 572
Name OJ990903_13.0225.C28.o1.gs
Start 572
GI none
Exons 572..647

Seq. ID OJ990903_13.0225.C28
Strand -
End 647
Method GENSCAN
End 647
Score .92

Seq. No. 6197
Gene No. 13029
Start 318
Name OJ990903_13.0225.C29.o1.gp
Start 318
GI 25490_1.R1084
Exons 318..441

Seq. ID OJ990903_13.0225.C29
Strand +
End 441
Method AAT/GAP
End 441
Score 193

GI Descrip. '3327957 8.0e-10 (AF060490) TLS-associated protein TASR-2 [Mus musculus] >gi_3327976 (AF067730) TLS-associated protein TASR-2 [Homo sapiens]'

Seq. No. 6197
Gene No. 13030
Start 147
Name OJ990903_13.0225.C29.o1.gs
Start 147
GI none
Exons 147..216, 371..514, 666..709

Seq. ID OJ990903_13.0225.C29
Strand -
End 709
Method GENSCAN
End 709
Score .6

Seq. No. 6198
Gene No. 13031
Start 6142
Name OJ990903_13.0225.C30.o3.gs
Start 6142
GI none
Exons 6142..6996, 7010..7564

Seq. ID OJ990903_13.0225.C30
Strand +
End 7564
Method GENSCAN
End 7564
Score .67

Seq. No. 6198
Gene No. 13031
Start 6142
Name OJ990903_13.0225.C30.o2.np
Start 6145
GI 6633841
Exons 6145..6837, 6931..7434

Seq. ID OJ990903_13.0225.C30
Strand +
End 7564
Method AAT/NAP
End 7434
Score 674

GI Descrip. (AC008047) F2K11.25 [Arabidopsis thaliana]

Seq. No. 6198
Gene No. 13032
Start 1
Name OJ990903_13.0225.C30.o1.np
Start 1
GI 6437558
Exons 1..80, 166..385, 591..664, 748..1029, 1121..1255, 1387..1608, 1695..1874, 1971..2068, 2188..2300, 2822..2925, 3066..3176, 3661..3880

Seq. ID OJ990903_13.0225.C30
Strand -
End 3880
Method AAT/NAP
End 3880
Score 2263

GI Descrip. (AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.tc	Method	TBLASTX:Cress
Start	1	End	681
GI	none	Score	48
Exons	1..81, 2..79, 3..92, 162..254, 163..255, 165..254, 233..388, 234..386, 239..388, 580..681		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	3185
GI	none	Score	114
Exons	2..82, 2..79, 6..92, 162..230, 163..255, 165..278, 233..388, 234..389, 235..393, 580..666, 586..669, 588..680, 745..792, 746..790, 751..792, 785..1006, 792..1031, 793..1032, 794..1030, 1118..1261, 1120..1257, 1358..1402, 1362..1607, 1378..1608, 1378..1611, 1448..1609, 1688..1873, 1695..1874, 1695..1874, 1699..1875, 1699..1875, 1971..2063, 1971..2066, 1972..2067, 2182..2301, 2186..2302, 2187..2303, 2820..2924, 2821..2925, 2821..2925, 2822..2926, 3068..3166, 3147..3185		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2926
GI	none	Score	92
Exons	2..91, 2..79, 162..227, 163..255, 165..278, 233..388, 234..389, 239..391, 241..393, 580..681, 584..661, 588..671, 746..790, 792..1031, 793..1032, 794..1030, 800..1048, 810..1031, 1105..1257, 1118..1261, 1157..1261, 1357..1572, 1359..1574, 1363..1611, 1448..1603, 1695..1874, 1696..1839, 1971..2066, 1972..2067, 2186..2224, 2276..2302, 2833..2925, 2846..2926, 2855..2926		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.gs	Method	GENSCAN
Start	166	End	3858
GI	none	Score	.79
Exons	166..228, 252..385, 772..1056, 1121..1255, 1387..1608, 1695..1874, 1971..2068, 2188..2300, 2822..2925, 3066..3188, 3523..3858		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o2.tc	Method	TBLASTX:Cress
Start	767	End	1527
GI	none	Score	95
Exons	767..883, 790..906, 792..902, 793..969, 794..913, 913..1032, 917..1030, 917..1051, 987..1031, 1105..1185, 1118..1237,		

1155..1232, 1160..1237, 1393..1527

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o2.ts	Method	TBLASTX:Soybean
Start	6172	End	6954
GI	none	Score	93
Exons	6172..6291, 6250..6330, 6294..6428, 6340..6429, 6432..6539, 6433..6540, 6594..6728, 6601..6858, 6883..6954		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.tm	Method	TBLASTX:Maize
Start	6172	End	6567
GI	none	Score	143
Exons	6172..6561, 6173..6373, 6175..6567, 6264..6566		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o2.tm	Method	TBLASTX:Maize
Start	6586	End	7435
GI	none	Score	209
Exons	6586..6780, 6625..6858, 6879..6974, 6904..7005, 7007..7270, 7018..7347, 7295..7435		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o4.tc	Method	TBLASTX:Cress
Start	6670	End	6972
GI	none	Score	183
Exons	6670..6861, 6811..6972		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.ts	Method	TBLASTX:Soybean
Start	6958	End	7417
GI	none	Score	46
Exons	6958..7005, 7003..7098, 7010..7276, 7132..7272, 7319..7417		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.tc	Method	TBLASTX:Cress
Start	7063	End	7435
GI	none	Score	177
Exons	7063..7110, 7064..7273, 7132..7266, 7316..7435		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13034	Strand	+
Start	1	End	888
Name	OJ990903_13.0225.C31.o1.np	Method	AAT/NAP
Start	1	End	888

GI 5042454 Score 193
 Exons 1..73, 315..482, 828..888
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13035	Strand	+
Start	8097	End	8758
Name	OJ990903_13.0225.C31.o2.gs	Method	GENSCAN
Start	8097	End	8758
GI	none	Score	.53
Exons	8097..8202, 8595..8758		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13036	Strand	+
Start	10281	End	11222
Name	OJ990903_13.0225.C31.o3.gs	Method	GENSCAN
Start	10281	End	11222
GI	none	Score	.47
Exons	10281..10307, 10647..11222		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13037	Strand	+
Start	11184	End	11325
Name	OJ990903_13.0225.C31.o1.gp	Method	AAT/GAP
Start	11184	End	11325
GI	21474_1.R1084	Score	219
Exons	11184..11325		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o2.np	Method	AAT/NAP
Start	6502	End	15333
GI	4680204	Score	1047
Exons	6502..6539, 11675..11774, 12125..12344, 12441..12614, 12724..13822, 13897..15333		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o1.tc	Method	TBLASTX:Cress
Start	10815	End	11039
GI	none	Score	190
Exons	10815..11039, 10841..11038		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o1.tm	Method	TBLASTX:Maize
Start	10815	End	11036
GI	none	Score	190
Exons	10815..11036, 10841..11035		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
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Gene No. 13038 Strand -
 Start 6502 End 17017
 Name OJ990903_13.0225.C31.o4.gs Method GENSCAN
 Start 11619 End 16894
 GI none Score .59
 Exons 11619..11804, 11884..11982, 12077..12149, 12234..12344,
 12441..12614, 12724..13555, 13681..13822, 13897..15318,
 16294..16384, 16396..16754, 16804..16894

Seq. No. 6199 Seq. ID OJ990903_13.0225.C31
 Gene No. 13038 Strand -
 Start 6502 End 17017
 Name OJ990903_13.0225.C31.o2.tw Method TBLASTX:Wheat
 Start 12275 End 12797
 GI none Score 66
 Exons 12275..12346, 12446..12628, 12453..12578, 12717..12797

Seq. No. 6199 Seq. ID OJ990903_13.0225.C31
 Gene No. 13038 Strand -
 Start 6502 End 17017
 Name OJ990903_13.0225.C31.o1.tw Method TBLASTX:Wheat
 Start 14287 End 14690
 GI none Score 42
 Exons 14287..14382, 14287..14457, 14420..14587, 14452..14688,
 14539..14688, 14550..14690, 14580..14690

Seq. No. 6199 Seq. ID OJ990903_13.0225.C31
 Gene No. 13038 Strand -
 Start 6502 End 17017
 Name OJ990903_13.0225.C31.o3.np Method AAT/NAP
 Start 14887 End 17017
 GI 5032119 Score 115
 Exons 14887..15008, 16312..16867, 16995..17017
 GI Descrip. Ser/Arg-related nuclear matrix protein (plenty of prolines
 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix
 protein [Homo sapiens]

Seq. No. 6200 Seq. ID OJ990903_13.0225.C32
 Gene No. 13039 Strand +
 Start 880 End 1302
 Name OJ990903_13.0225.C32.o3.gp Method AAT/GAP
 Start 880 End 1302
 GI LIB3431-028-P1-N1-A10 Score 693
 Exons 880..1302
 GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like
 protein [Sorghum bicolor]'

Seq. No. 6200 Seq. ID OJ990903_13.0225.C32
 Gene No. 13040 Strand -
 Start 11 End 4989
 Name OJ990903_13.0225.C32.o1.gp Method AAT/GAP
 Start 11 End 4104
 GI 342_1.R1084 Score 6230
 Exons 11..526, 636..740, 859..4104
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza
 sativa]'

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.gp	Method	AAT/GAP
Start	11	End	4108
GI	342_1.R1084	Score	6235
Exons	11..526, 636..740, 859..4108		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o5.gp	Method	AAT/GAP
Start	158	End	4250
GI	342_1.R1084	Score	6158
Exons	158..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o6.gp	Method	AAT/GAP
Start	160	End	4250
GI	342_1.R1084	Score	6154
Exons	160..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o7.gp	Method	AAT/GAP
Start	164	End	4250
GI	342_1.R1084	Score	6146
Exons	164..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.gs	Method	GENSCAN
Start	849	End	4254
GI	none	Score	.52
Exons	849..1194, 1318..1458, 1509..1913, 2374..2515, 2758..3794, 3803..4254		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tw	Method	TBLASTX:Wheat
Start	996	End	2311
GI	none	Score	66
Exons	996..1088, 1077..1157, 1172..1282, 1360..1401, 1427..1489, 1446..1487, 1493..1846, 1535..1726, 1581..1913, 1587..1916,		

1896..2303, 1898..2311, 1900..2310

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.np	Method	AAT/NAP
Start	1478	End	3442
GI	6742729	Score	2944
Exons	1478..3442		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.tc	Method	TBLASTX:Cress
Start	1576	End	2023
GI	none	Score	85
Exons	1576..1827, 1577..1726, 1580..1846, 1581..1913, 1898..2023, 1900..2019		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.tm	Method	TBLASTX:Maize
Start	1954	End	2268
GI	none	Score	69
Exons	1954..2184, 1954..2268, 1982..2257		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o4.tw	Method	TBLASTX:Wheat
Start	2312	End	2726
GI	none	Score	52
Exons	2312..2374, 2314..2358, 2433..2513, 2433..2519, 2473..2520, 2519..2548, 2553..2645, 2557..2661, 2558..2662, 2681..2725, 2682..2726		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.ts	Method	TBLASTX:Soybean
Start	2759	End	3001
GI	none	Score	67
Exons	2759..3001, 2817..2915		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tm	Method	TBLASTX:Maize
Start	2831	End	3289
GI	none	Score	103
Exons	2831..3025, 3035..3289, 3035..3277		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989

Name	OJ990903_13.0225.C32.o2.tw	Method	TBLASTX:Wheat
Start	2865	End	3334
GI	none	Score	173
Exons	2865..3071, 2865..3074, 2870..3073, 2870..3094, 3074..3172, 3075..3167, 3176..3280, 3180..3269, 3281..3334, 3282..3326		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tc	Method	TBLASTX:Cress
Start	3122	End	3470
GI	none	Score	88
Exons	3122..3463, 3141..3278, 3318..3470		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o8.gp	Method	AAT/GAP
Start	3178	End	4704
GI	2310235	Score	292
Exons	3178..3239, 4115..4254, 4667..4704		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.ts	Method	TBLASTX:Soybean
Start	3203	End	3632
GI	none	Score	121
Exons	3203..3499, 3221..3445, 3494..3556, 3549..3632, 3557..3631		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o3.tw	Method	TBLASTX:Wheat
Start	3553	End	3903
GI	none	Score	144
Exons	3553..3741, 3563..3805, 3564..3812, 3733..3813, 3796..3903		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.np	Method	AAT/NAP
Start	3925	End	4989
GI	5852182	Score	434
Exons	3925..4254, 4916..4989		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6201	Seq. ID	OJ990903_13.0225.C33
Gene No.	13041	Strand	-
Start	90	End	183
Name	OJ990903_13.0225.C33.o1.gs	Method	GENSCAN
Start	90	End	183
GI	none	Score	.62
Exons	90..183		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13042	Strand	+
Start	49	End	206
Name	OJ990903_13.0225.C34.o1.gs	Method	GENSCAN
Start	49	End	206
GI	none	Score	.46
Exons	49..206		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13043	Strand	+
Start	5243	End	6509
Name	OJ990903_13.0225.C34.o3.gs	Method	GENSCAN
Start	5243	End	6509
GI	none	Score	.65
Exons	5243..5852, 6346..6509		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13044	Strand	+
Start	11277	End	11585
Name	OJ990903_13.0225.C34.o2.np	Method	AAT/NAP
Start	11277	End	11585
GI	2244926	Score	315
Exons	11277..11585		
GI Descrip.	(Z97339) glutaredoxin homolog [Arabidopsis thaliana]		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13045	Strand	-
Start	1345	End	2832
Name	OJ990903_13.0225.C34.o2.gs	Method	GENSCAN
Start	1345	End	2832
GI	none	Score	.54
Exons	1345..1491, 2755..2832		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o2.tm	Method	TBLASTX:Maize
Start	5273	End	5812
GI	none	Score	84
Exons	5273..5386, 5378..5482, 5501..5545, 5588..5812		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o4.gs	Method	GENSCAN
Start	7530	End	11701
GI	none	Score	.51
Exons	7530..7677, 7739..7799, 8031..8121, 8150..8209, 9306..9448, 9495..9686, 10902..11063, 11354..11701		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.gp	Method	AAT/GAP
Start	11114	End	11747
GI	1631_1.R1084	Score	1229
Exons	11114..11747		

GI Descrip. '2244926/emb|CAB10348.1| 5.0e-29 (Z97339) glutaredoxin homolog
[Arabidopsis thaliana]'

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.tc	Method	TBLASTX:Cress
Start	11268	End	11588
GI	none	Score	179
Exons	11268..11453, 11454..11588, 11456..11584		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.tm	Method	TBLASTX:Maize
Start	11276	End	11594
GI	none	Score	225
Exons	11276..11359, 11277..11459, 11442..11594, 11447..11587		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.ts	Method	TBLASTX:Soybean
Start	11277	End	11588
GI	none	Score	187
Exons	11277..11423, 11291..11371, 11424..11588, 11450..11584		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13047	Strand	+
Start	126	End	4052
Name	OJ990903_13.0225.C35.o1.np	Method	AAT/NAP
Start	126	End	4052
GI	133435	Score	448
Exons	126..188, 1070..1355, 4029..4052		

GI Descrip. DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1
DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice
chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta'
subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase
beta'-1 [Oryza sativa]

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13047	Strand	+
Start	126	End	4052
Name	OJ990903_13.0225.C35.o1.gs	Method	GENSCAN
Start	242	End	1408
GI	none	Score	.92
Exons	242..269, 699..879, 1158..1351, 1406..1408		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13048	Strand	-
Start	1622	End	3542
Name	OJ990903_13.0225.C35.o2.gs	Method	GENSCAN
Start	1622	End	3542
GI	none	Score	.55
Exons	1622..1950, 2744..2799, 2820..2914, 3075..3278, 3357..3542		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
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Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.ts	Method	TBLASTX:Soybean
Start	1070	End	1362
GI	none	Score	398
Exons	1070..1354, 1072..1362, 1084..1353		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.gp	Method	AAT/GAP
Start	4989	End	6588
GI	11553_1.R1084	Score	821
Exons	4989..5262, 5632..5814, 6566..6588		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.tw	Method	TBLASTX:Wheat
Start	5160	End	5796
GI	none	Score	105
Exons	5160..5264, 5161..5268, 5161..5265, 5162..5269, 5632..5796, 5632..5742, 5636..5761		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o2.ts	Method	TBLASTX:Soybean
Start	5161	End	5800
GI	none	Score	76
Exons	5161..5268, 5161..5265, 5590..5742, 5609..5800, 5633..5755		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o3.gs	Method	GENSCAN
Start	5161	End	5799
GI	none	Score	.87
Exons	5161..5262, 5632..5799		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o2.np	Method	AAT/NAP
Start	5164	End	6588
GI	2281115	Score	361
Exons	5164..5262, 5632..5801, 6552..6588		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.gp	Method	AAT/GAP
Start	1	End	102

GI 11553_1.R1084 Score 204
 Exons 1..102
 GI Descrip. '6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For
 Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
 complete sequence'

Seq. No. 6204 Seq. ID OJ990903_13.0225.C36
 Gene No. 13050 Strand -
 Start 1 End 2165
 Name OJ990903_13.0225.C36.o3.tc Method TBLASTX:Cress
 Start 1 End 432
 GI none Score 122
 Exons 1..78, 3..182, 6..113, 231..293, 233..292, 344..430, 364..432

Seq. No. 6204 Seq. ID OJ990903_13.0225.C36
 Gene No. 13050 Strand -
 Start 1 End 2165
 Name OJ990903_13.0225.C36.o1.tm Method TBLASTX:Maize
 Start 1 End 1831
 GI none Score 129
 Exons 1..78, 1..138, 3..140, 231..293, 233..292, 344..526, 363..515,
 365..526, 597..683, 598..684, 756..797, 758..799, 1044..1106,
 1045..1107, 1188..1268, 1189..1287, 1200..1307, 1347..1442,
 1348..1443, 1348..1443, 1349..1450, 1350..1448, 1647..1700,
 1648..1695, 1695..1724, 1696..1725, 1808..1831

Seq. No. 6204 Seq. ID OJ990903_13.0225.C36
 Gene No. 13050 Strand -
 Start 1 End 2165
 Name OJ990903_13.0225.C36.o1.np Method AAT/NAP
 Start 1 End 2029
 GI 2281115 Score 939
 Exons 1..138, 234..289, 365..514, 597..703, 1037..1106, 1185..1265,
 1351..1440, 1647..1724, 1946..2029
 GI Descrip. (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]

Seq. No. 6204 Seq. ID OJ990903_13.0225.C36
 Gene No. 13050 Strand -
 Start 1 End 2165
 Name OJ990903_13.0225.C36.o1.ts Method TBLASTX:Soybean
 Start 3 End 2133
 GI none Score 103
 Exons 3..140, 4..78, 6..161, 8..145, 231..293, 233..292, 344..526,
 345..530, 363..515, 365..517, 592..684, 597..683, 756..794,
 758..793, 1044..1106, 1045..1107, 1185..1268, 1186..1287,
 1187..1270, 1329..1445, 1348..1443, 1349..1450, 1349..1450,
 1647..1724, 1648..1725, 1656..1727, 1672..1725, 1803..1880,
 1807..2007, 1808..2011, 1814..2008, 2083..2133, 2087..2125

Seq. No. 6204 Seq. ID OJ990903_13.0225.C36
 Gene No. 13050 Strand -
 Start 1 End 2165
 Name OJ990903_13.0225.C36.o1.gs Method GENSCAN
 Start 18 End 2133
 GI none Score .83
 Exons 18..138, 234..289, 365..514, 597..683, 1044..1106, 1185..1265,
 1647..1724, 1808..2011, 2086..2133

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o2.tc	Method	TBLASTX:Cress
Start	479	End	1443
GI	none	Score	57
Exons	479..526, 590..664, 594..686, 597..683, 1047..1106, 1051..1107, 1185..1268, 1186..1287, 1344..1442, 1348..1443, 1349..1441		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.tc	Method	TBLASTX:Cress
Start	1647	End	2020
GI	none	Score	50
Exons	1647..1724, 1648..1728, 1807..1914, 1807..1923, 1808..1930, 1808..2020		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o2.tm	Method	TBLASTX:Maize
Start	1831	End	2165
GI	none	Score	192
Exons	1831..2004, 1832..2011, 1832..2011, 2083..2133, 2091..2165		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13051	Strand	+
Start	5735	End	15741
Name	OJ990903_13.0225.C37.o2.gs	Method	GENSCAN
Start	5735	End	15741
GI	none	Score	.7
Exons	5735..5903, 6386..6524, 8155..8273, 9619..9670, 9902..10087, 10216..10315, 11648..11695, 11777..11980, 12438..12518, 12598..12660, 13686..13772, 13875..14024, 14103..14158, 14265..14547, 14761..14904, 15005..15223, 15300..15467, 15640..15741		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13051	Strand	+
Start	5735	End	15741
Name	OJ990903_13.0225.C37.o3.np	Method	AAT/NAP
Start	9957	End	15738
GI	2281115	Score	1875
Exons	9957..10087, 10216..10315, 11344..11529, 11777..11842, 12055..12132, 12247..12336, 12438..12518, 12598..12660, 13660..13772, 13875..14024, 14103..14158, 14265..14547, 14761..14904, 15005..15223, 15300..15467, 15640..15738		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o6.np	Method	AAT/NAP
Start	20133	End	23561
GI	4063770	Score	111

Exons 20133..20153, 21652..21724, 23237..23561
 GI Descrip. (AB004906) transposase [Ipomoea purpurea]

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o5.gs	Method	GENSCAN
Start	23404	End	25194
GI	none	Score	.53
Exons	23404..23466, 23980..25194		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o1.gp	Method	AAT/GAP
Start	24187	End	25358
GI	29585_1.R1084	Score	2276
Exons	24187..25358		
GI Descrip.	'2055230/dbj BAA19769 2.0e-17 (AB000130) SRC2 [Glycine max]'		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o7.np	Method	AAT/NAP
Start	24295	End	25197
GI	2055230	Score	343
Exons	24295..24818, 24893..25197		
GI Descrip.	(AB000130) SRC2 [Glycine max]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13053	Strand	-
Start	1	End	3017
Name	OJ990903_13.0225.C37.o1.np	Method	AAT/NAP
Start	1	End	3008
GI	2281115	Score	282
Exons	1..41, 2678..2780, 2878..3008		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13053	Strand	-
Start	1	End	3017
Name	OJ990903_13.0225.C37.o1.gs	Method	GENSCAN
Start	1771	End	3017
GI	none	Score	.79
Exons	1771..1854, 2681..2780, 2878..3017		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13054	Strand	-
Start	7125	End	9272
Name	OJ990903_13.0225.C37.o2.np	Method	AAT/NAP
Start	7125	End	9272
GI	2586082	Score	687
Exons	7125..7872, 9050..9272		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-

Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.ts	Method	TBLASTX:Soybean
Start	2678	End	15732
GI	none	Score	66
Exons	2678..2779, 2679..2783, 2871..3005, 2871..3005, 2884..3006, 9972..10136, 10217..10342, 11343..11531, 11344..11532, 11777..11980, 11792..11980, 11794..11982, 11821..11988, 12053..12127, 12054..12131, 12055..12126, 12229..12339, 12419..12514, 12441..12518, 12573..12659, 12595..12660, 13572..13616, 13685..13750, 13689..13772, 13872..14027, 13873..13962, 14094..14159, 14094..14159, 14101..14160, 14256..14516, 14257..14553, 14264..14476, 14337..14546, 14749..14925, 14763..14900, 15002..15229, 15002..15244, 15294..15467, 15307..15465, 15365..15493, 15631..15732		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o5.tm	Method	TBLASTX:Maize
Start	2678	End	11956
GI	none	Score	92
Exons	2678..2779, 2679..2783, 2679..2801, 2871..2993, 2871..3005, 2878..3006, 3069..3131, 9972..10136, 9975..10088, 10217..10342, 10225..10275, 11337..11525, 11344..11532, 11362..11532, 11777..11956, 11808..11951, 11816..11956		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.tc	Method	TBLASTX:Cress
Start	2678	End	10342
GI	none	Score	39
Exons	2678..2779, 2679..2717, 2748..2783, 2871..3005, 2874..3005, 2878..3006, 9972..10136, 10213..10275, 10217..10342		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o7.tm	Method	TBLASTX:Maize
Start	8708	End	8993
GI	none	Score	73
Exons	8708..8809, 8822..8992, 8823..8993		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tc	Method	TBLASTX:Cress
Start	11452	End	12131
GI	none	Score	90
Exons	11452..11532, 11777..11980, 11834..11974, 12051..12131, 12055..12126		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tm	Method	TBLASTX:Maize
Start	11957	End	15749

GI	none	Score	41
Exons	11957..11980, 12055..12084, 12101..12157, 12136..12174, 12229..12339, 12366..12395, 12419..12514, 12441..12515, 12597..12659, 13683..13757, 13685..13750, 13689..13772, 13858..13941, 13872..14027, 13874..13954, 14094..14159, 14257..14553, 14337..14549, 14465..14668, 14749..14904, 14760..14906, 14760..14897, 14761..14907, 14765..14923, 15000..15224, 15002..15229, 15002..15244, 15294..15467, 15298..15480, 15298..15465, 15631..15732, 15639..15749, 15659..15748		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o8.tm	Method	TBLASTX:Maize
Start	13216	End	13368
GI	none	Score	105
Exons	13216..13305, 13221..13301, 13303..13368, 13303..13362		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tc	Method	TBLASTX:Cress
Start	13959	End	15732
GI	none	Score	92
Exons	13959..14027, 14094..14159, 14257..14280, 14263..14553, 14306..14533, 14337..14546, 14749..14904, 14763..14885, 15002..15088, 15116..15229, 15179..15247, 15294..15467, 15365..15493, 15631..15732		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tw	Method	TBLASTX:Wheat
Start	14351	End	15127
GI	none	Score	109
Exons	14351..14548, 14352..14549, 14355..14549, 14356..14553, 14748..14873, 14749..14904, 14761..14904, 15000..15101, 15002..15127, 15002..15115, 15049..15126		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.tw	Method	TBLASTX:Wheat
Start	15170	End	15749
GI	none	Score	83
Exons	15170..15229, 15294..15467, 15310..15486, 15310..15465, 15365..15493, 15631..15732, 15648..15749, 15656..15748		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tm	Method	TBLASTX:Maize
Start	16254	End	17855
GI	none	Score	109
Exons	16254..16490, 16275..16481, 16764..17252, 16849..17526, 17373..17630, 17406..17558, 17551..17622, 17784..17855		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tc	Method	TBLASTX:Cress
Start	16258	End	19019
GI	none	Score	110
Exons	16258..16428, 16266..16490, 16758..17252, 16954..17625, 17310..17675, 17784..17858, 17980..18051, 18057..18467, 18118..18390, 18535..18684, 18546..18686, 18702..18938, 18736..18942, 18895..19017, 18933..19019		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.ts	Method	TBLASTX:Soybean
Start	16266	End	18176
GI	none	Score	279
Exons	16266..16481, 16770..17252, 16852..17265, 17283..17462, 17359..17625, 17373..17630, 17790..17858, 18108..18176		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.gs	Method	GENSCAN
Start	16266	End	20827
GI	none	Score	.93
Exons	16266..17635, 17738..17855, 17998..18050, 18065..19043, 20753..20827		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tw	Method	TBLASTX:Wheat
Start	16266	End	16496
GI	none	Score	206
Exons	16266..16496		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.np	Method	AAT/NAP
Start	16269	End	19908
GI	6513926	Score	2294
Exons	16269..17635, 17738..17855, 17998..18050, 18134..18445, 18545..19032, 19853..19908		
GI Descrip.	(AC011664) putative potassium transporter [Arabidopsis thaliana]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o6.tm	Method	TBLASTX:Maize
Start	17995	End	18269
GI	none	Score	125
Exons	17995..18051, 18057..18269, 18118..18267		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
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Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.ts	Method	TBLASTX:Soybean
Start	18177	End	18449
GI	none	Score	116
Exons	18177..18449, 18181..18447		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tm	Method	TBLASTX:Maize
Start	18273	End	19004
GI	none	Score	87
Exons	18273..18467, 18274..18543, 18546..18677, 18687..18878, 18736..18912, 18933..19004, 18934..18999		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tw	Method	TBLASTX:Wheat
Start	18535	End	18804
GI	none	Score	93
Exons	18535..18648, 18546..18674, 18690..18803, 18733..18804		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.ts	Method	TBLASTX:Soybean
Start	18546	End	19013
GI	none	Score	94
Exons	18546..18656, 18547..18648, 18702..18803, 18739..18807, 18799..18909, 18801..18926, 18931..19011, 18933..19013		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o5.np	Method	AAT/NAP
Start	19375	End	20800
GI	5852084	Score	91
Exons	19375..19458, 20733..20800		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13056	Strand	-
Start	24297	End	25197
Name	OJ990903_13.0225.C37.o3.tm	Method	TBLASTX:Maize
Start	24297	End	25197
GI	none	Score	534
Exons	24297..24719, 24298..24720, 24950..25027, 24972..25061, 25102..25197, 25133..25195, 25138..25197		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13056	Strand	-
Start	24297	End	25197
Name	OJ990903_13.0225.C37.o5.ts	Method	TBLASTX:Soybean
Start	24298	End	24666
GI	none	Score	103

Exons 24298..24405, 24433..24489, 24520..24666

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13057 Strand +
Start 7829 End 11131
Name OJ990903_13.0225.C39.o2.gp Method AAT/GAP
Start 7768 End 8197
GI LIB3479-006-Q6-K1-B11 Score 640
Exons 7768..8197
GI Descrip. '5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic
DNA, chromosome 6, clone:P0538C01'

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13057 Strand +
Start 7829 End 11131
Name OJ990903_13.0225.C39.o3.gs Method GENSCAN
Start 7829 End 11131
GI none Score .66
Exons 7829..7969, 8137..8230, 9867..9928, 10796..11131

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13058 Strand +
Start 24661 End 26174
Name OJ990903_13.0225.C39.o6.gs Method GENSCAN
Start 24661 End 26174
GI none Score .52
Exons 24661..24671, 25387..25498, 26001..26174

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13059 Strand -
Start 5509 End 7978
Name OJ990903_13.0225.C39.o2.gs Method GENSCAN
Start 5509 End 6696
GI none Score .91
Exons 5509..5987, 6205..6253, 6547..6696

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13059 Strand -
Start 5509 End 7978
Name OJ990903_13.0225.C39.o1.np Method AAT/NAP
Start 5515 End 6702
GI 1170092 Score 612
Exons 5515..5987, 6205..6253, 6547..6702
GI Descrip. GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI)
gi|1076807|pir||S52037 glutathione transferase (EC 2.5.1.18) 27K
chain - maize gi|529015 (U12679) glutathione S-transferase IV
[Zea mays] gi|695789|emb|CAA56047| (X79515) glutathione
transferase [Zea mays] gi|1094866|prf||2106424A glutathione
S-transferase:ISOTYPE=IV [Zea mays]

Seq. No. 6206 Seq. ID OJ990903_13.0225.C39
Gene No. 13059 Strand -
Start 5509 End 7978
Name OJ990903_13.0225.C39.o1.gp Method AAT/GAP
Start 5550 End 6771
GI 16273_2.R1084 Score 1324
Exons 5550..5987, 6205..6253, 6547..6771

GI Descrip. '1170092/sp|P46420|GTH4 MAIZE 2.0e-66 GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) >gi_1076807_pir_S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize >gi_529015 (U12679) glutathione S-transferase IV [Zea mays] >gi_695789_emb_CAA56047 (X79515) glutathione transferase [Zea mays] >gi_1094866_prf_2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]'

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13059	Strand	-
Start	5509	End	7978
Name	OJ990903_13.0225.C39.o2.np	Method	AAT/NAP
Start	5729	End	7978
GI	6539570	Score	205
Exons	5729..5914, 7561..7634, 7793..7978		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13060	Strand	-
Start	8114	End	8196
Name	OJ990903_13.0225.C39.o3.np	Method	AAT/NAP
Start	8114	End	8196
GI	6630699	Score	96
Exons	8114..8196		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13061	Strand	-
Start	14239	End	18396
Name	OJ990903_13.0225.C39.o4.gs	Method	GENSCAN
Start	14239	End	18396
GI	none	Score	.63
Exons	14239..14333, 15554..15590, 17241..17426, 18394..18396		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086
Name	OJ990903_13.0225.C39.o5.gs	Method	GENSCAN
Start	20243	End	23047
GI	none	Score	.96
Exons	20243..20868, 21179..21352, 22267..22282, 22692..22869, 22986..23047		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086
Name	OJ990903_13.0225.C39.o4.np	Method	AAT/NAP
Start	20249	End	23086
GI	1854443	Score	1076
Exons	20249..20868, 21179..21350, 22613..22869, 22986..23086		
GI Descrip.	(D83970) CPRD8 protein [Vigna unguiculata]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086

Name	OJ990903_13.0225.C39.o3.gp	Method	AAT/GAP
Start	20287	End	21322
GI	19180_1.R1084	Score	1395
Exons	20287..20868, 21179..21322		
GI Descrip.	'3882356/gb AAC78441.1 2.0e-77 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13063	Strand	-
Start	28018	End	30581
Name	OJ990903_13.0225.C39.o7.gs	Method	GENSCAN
Start	28018	End	29445
GI	none	Score	.8
Exons	28018..28264, 28335..28650, 28706..28846, 28986..29445		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13063	Strand	-
Start	28018	End	30581
Name	OJ990903_13.0225.C39.o5.np	Method	AAT/NAP
Start	28027	End	30581
GI	3882356	Score	935
Exons	28027..28632, 28706..28879, 28980..29109, 29341..29488, 30504..30581		

GI Descrip.	(U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana] gi 6143903 gb AAF04449.1 AC010718_18 (AC010718) 12-oxophytodienoate reductase (OPR2) [Arabidopsis thaliana]		
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Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.tm	Method	TBLASTX:Maize
Start	5466	End	6696
GI	none	Score	153
Exons	5466..5510, 5528..5743, 5542..5901, 5728..5766, 5836..5919, 5939..5995, 5941..5988, 6194..6262, 6547..6696, 6547..6696		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tw	Method	TBLASTX:Wheat
Start	5542	End	6262
GI	none	Score	154
Exons	5542..5808, 5543..5740, 5818..5988, 5839..5982, 5948..6028, 6194..6262		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.tc	Method	TBLASTX:Cress
Start	5555	End	6696
GI	none	Score	93
Exons	5555..5740, 5557..5988, 6194..6259, 6547..6696		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.ts	Method	TBLASTX:Soybean

Start	5672	End	6259
GI	none	Score	80
Exons	5672..5740, 5674..5898, 5941..5988, 6179..6259		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o3.tw	Method	TBLASTX:Wheat
Start	6547	End	6714
GI	none	Score	197
Exons	6547..6714, 6547..6708		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.ts	Method	TBLASTX:Soybean
Start	20261	End	30547
GI	none	Score	96
Exons	20261..20515, 20270..20518, 20567..20869, 20568..20870, 21177..21272, 21178..21267, 21184..21276, 21279..21356, 21280..21363, 21298..21345, 22622..22678, 22677..22871, 22979..23044, 28036..28287, 28037..28168, 28334..28639, 28335..28616, 28704..28805, 28705..28779, 28824..28865, 28996..29103, 28997..29104, 29347..29493, 29348..29491, 30464..30547		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tc	Method	TBLASTX:Cress
Start	20273	End	30547
GI	none	Score	117
Exons	20273..20515, 20292..20396, 20466..20510, 20567..20869, 20568..20870, 21177..21266, 21178..21261, 21279..21356, 22613..22678, 22614..22679, 22677..22871, 22681..22731, 22816..22872, 22968..23033, 22979..23038, 28036..28287, 28037..28168, 28096..28221, 28334..28639, 28335..28607, 28704..28805, 28824..28865, 28984..29109, 28985..29110, 29347..29493, 29348..29491, 30494..30547		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tm	Method	TBLASTX:Maize
Start	20291	End	29493
GI	none	Score	155
Exons	20291..20518, 20294..20515, 20567..20869, 20568..20870, 21177..21275, 21178..21276, 21279..21356, 21280..21345, 22622..22681, 22677..22871, 22681..22731, 22816..22872, 22979..23038, 22980..23033, 28033..28287, 28061..28168, 28325..28639, 28338..28616, 28704..28751, 28704..28790, 28813..28866, 28824..28865, 28996..29109, 28997..29110, 29003..29128, 29347..29493, 29348..29491		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039

Name	OJ990903_13.0225.C39.o2.tw	Method	TBLASTX:Wheat
Start	22625	End	29491
GI	none	Score	91
Exons	22625..22678, 22626..22730, 22638..22679, 22677..22871, 22813..22872, 22968..23039, 22979..23032, 28994..29110, 28996..29109, 29347..29490, 29348..29491		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o3.tm	Method	TBLASTX:Maize
Start	25232	End	25432
GI	none	Score	200
Exons	25232..25432		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o8.gs	Method	GENSCAN
Start	31754	End	37493
GI	none	Score	.72
Exons	31754..31876, 33016..33093, 33160..33318, 33478..33584, 34041..34243, 34248..34295, 34359..34490, 34753..34834, 34866..34986, 35079..35337, 35414..35712, 35804..35929, 36012..36179, 36354..36633, 36706..36856, 37296..37493		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o5.gp	Method	AAT/GAP
Start	32090	End	33905
GI	LIB3431-045-P1-N1-A10	Score	821
Exons	32090..32199, 33562..33905		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o6.np	Method	AAT/NAP
Start	34009	End	38039
GI	5441880	Score	2878
Exons	34009..34243, 34359..34490, 34737..34834, 35079..35337, 35414..35712, 36264..36599, 36705..36856, 37416..38039		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o6.gp	Method	AAT/GAP
Start	35087	End	35586
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	35087..35337, 35414..35586		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize		

transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6207	Seq. ID	OJ990903_13.0225.C40
Gene No.	13065	Strand	+
Start	202	End	326
Name	OJ990903_13.0225.C40.ol.gs	Method	GENSCAN
Start	202	End	326
GI	none	Score	.71
Exons	202..326		

Seq. No.	6208	Seq. ID	OJ990903_13.0225.C45
Gene No.	13066	Strand	+
Start	85	End	187
Name	OJ990903_13.0225.C45.ol.gs	Method	GENSCAN
Start	85	End	187
GI	none	Score	.44
Exons	85..187		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.ol.gp	Method	AAT/GAP
Start	1	End	664
GI	260_1.R1084	Score	1051
Exons	1..197, 309..664		
GI Descrip.	'121476/sp P14323 GLU4_ORYSA 0.0e+00 GLUTELIN PRECURSOR >gi_82470_pir_S07640 glutelin precursor (clone 5b-1) - rice >gi_20232_emb_CAA33838_ (X15833) precursor (AA -24 to 475) [Oryza sativa]'		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.ol.np	Method	AAT/NAP
Start	1	End	636
GI	121476	Score	912
Exons	1..197, 309..636		
GI Descrip.	GLUTELIN PRECURSOR gi 82470 pir S07640 glutelin precursor (clone 5b-1) - rice gi 20232 emb CAA33838 (X15833) precursor (AA -24 to 475) [Oryza sativa]		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.ol.gs	Method	GENSCAN
Start	9	End	570
GI	none	Score	.65
Exons	9..197, 309..570		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.ol.tm	Method	TBLASTX:Maize
Start	1	End	492
GI	none	Score	88
Exons	1..90, 2..91, 143..199, 163..198, 307..432, 308..400, 415..492		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.o1.tc	Method	TBLASTX:Cress
Start	4	End	507
GI	none	Score	64
Exons	4..66, 4..99, 8..100, 8..124, 151..198, 155..220, 307..507		
Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.o2.gs	Method	GENSCAN
Start	1709	End	2086
GI	none	Score	.84
Exons	1709..1797, 2015..2086		
Seq. No.	6210	Seq. ID	OJ990903_13.0225.C50
Gene No.	13069	Strand	+
Start	1362	End	1461
Name	OJ990903_13.0225.C50.o1.gp	Method	AAT/GAP
Start	1362	End	1461
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	1362..1461		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.np	Method	AAT/NAP
Start	1	End	845
GI	5306262	Score	218
Exons	1..185, 279..561, 808..845		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		
Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.tw	Method	TBLASTX:Wheat
Start	34	End	382
GI	none	Score	121
Exons	34..114, 38..112, 38..115, 103..150, 104..187, 107..193, 273..374, 276..377, 281..382, 322..375		
Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.gp	Method	AAT/GAP
Start	36	End	552
GI	29916_1.R1084	Score	763
Exons	36..185, 279..552		
GI Descrip.	'4314378/gb AAD15588 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1 AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		
Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52

Gene No. 13070
 Start 1
 Name OJ990903_13.0225.C52.o1.gs
 Start 147
 GI none
 Exons 147..185, 279..552

Strand +
 End 845
 Method GENSCAN
 End 552
 Score .99

Seq. No. 6211
 Gene No. 13070
 Start 1
 Name OJ990903_13.0225.C52.o1.tm
 Start 272
 GI none
 Exons 272..553, 273..554, 274..555

Seq. ID OJ990903_13.0225.C52
 Strand +
 End 845
 Method TBLASTX:Maize
 End 555
 Score 470

Seq. No. 6211
 Gene No. 13070
 Start 1
 Name OJ990903_13.0225.C52.o2.tw
 Start 383
 GI none
 Exons 383..559, 384..554

Seq. ID OJ990903_13.0225.C52
 Strand +
 End 845
 Method TBLASTX:Wheat
 End 559
 Score 188

Seq. No. 6212
 Gene No. 13071
 Start 876
 Name OJ990903_13.0225.C53.o1.gs
 Start 876
 GI none
 Exons 876..997, 2732..3046, 3097..3307

Seq. ID OJ990903_13.0225.C53
 Strand +
 End 3307
 Method GENSCAN
 End 3307
 Score .62

Seq. No. 6212
 Gene No. 13072
 Start 306
 Name OJ990903_13.0225.C53.o1.np
 Start 306
 GI 4584355
 Exons 306..663
 GI Descrip. (AC006420) Ac-like transposase [Arabidopsis thaliana]

Seq. ID OJ990903_13.0225.C53
 Strand -
 End 663
 Method AAT/NAP
 End 663
 Score 204

Seq. No. 6213
 Gene No. 13073
 Start 38
 Name OJ990903_13.0225.C57.o1.np
 Start 38
 GI 3882356
 Exons 38..269, 501..520
 GI Descrip. (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana] gi|6143903|gb|AAF04449.1|AC010718_18 (AC010718)
 12-oxophytodienoate reductase (OPR2) [Arabidopsis thaliana]

Seq. ID OJ990903_13.0225.C57
 Strand +
 End 520
 Method AAT/NAP
 End 520
 Score 63

Seq. No. 6213
 Gene No. 13073
 Start 38
 Name OJ990903_13.0225.C57.o1.gs
 Start 163
 GI none

Seq. ID OJ990903_13.0225.C57
 Strand +
 End 520
 Method GENSCAN
 End 331
 Score .5

Exons 163..331

Seq. No. 6214 Seq. ID OJ990603_01.0228.C4
Gene No. 13074 Strand
Start 11 End 811
Name OJ990603_01.0228.C4.o1.tm Method TBLASTX:Maize
Start 11 End 811
GI none Score 85
Exons 11..91, 11..55, 83..406, 110..469, 542..640, 542..640, 647..811,
648..755

Seq. No. 6214 Seq. ID OJ990603_01.0228.C4
Gene No. 13074 Strand
Start 11 End 811
Name OJ990603_01.0228.C4.o1.ts Method TBLASTX:Soybean
Start 11 End 655
GI none Score 95
Exons 11..55, 110..364, 114..224, 569..655

Seq. No. 6214 Seq. ID OJ990603_01.0228.C4
Gene No. 13074 Strand
Start 11 End 811
Name OJ990603_01.0228.C4.o1.tw Method TBLASTX:Wheat
Start 80 End 400
GI none Score 248
Exons 80..400, 110..397

Seq. No. 6215 Seq. ID OJ990603_01.0228.C6
Gene No. 13075 Strand -
Start 296 End 540
Name OJ990603_01.0228.C6.o1.gp Method AAT/GAP
Start 296 End 540
GI uC-osflcyp033a04b1 Score 414
Exons 296..540
GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
DNA, chromosome 1, clone:P0711E10'

Seq. No. 6216 Seq. ID OJ990603_01.0228.C19
Gene No. 13076 Strand
Start 643 End 884
Name OJ990603_01.0228.C19.o1.tw Method TBLASTX:Wheat
Start 643 End 884
GI none Score 207
Exons 643..879, 703..846, 771..884

Seq. No. 6217 Seq. ID OJ990603_01.0228.C26
Gene No. 13077 Strand
Start 2760 End 3336
Name OJ990603_01.0228.C26.o1.tw Method TBLASTX:Wheat
Start 2760 End 3123
GI none Score 304
Exons 2760..2864, 2764..3123, 2889..3122

Seq. No. 6217 Seq. ID OJ990603_01.0228.C26
Gene No. 13077 Strand
Start 2760 End 3336
Name OJ990603_01.0228.C26.o1.tm Method TBLASTX:Maize

Start	3003	End	3336
GI	none	Score	209
Exons	3003..3191, 3004..3336, 3004..3288		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13078	Strand	
Start	21	End	341
Name	OJ990603_01.0228.C27.o5.tw	Method	TBLASTX:Wheat
Start	21	End	341
GI	none	Score	124
Exons	21..206, 246..341, 263..340		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o2.tw	Method	TBLASTX:Wheat
Start	345	End	827
GI	none	Score	529
Exons	345..827, 449..784		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o3.tm	Method	TBLASTX:Maize
Start	357	End	646
GI	none	Score	302
Exons	357..644, 455..646		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o2.tm	Method	TBLASTX:Maize
Start	714	End	1214
GI	none	Score	161
Exons	714..893, 879..1214, 966..1169		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	768	End	1163
GI	none	Score	57
Exons	768..800, 768..812, 804..1163, 804..884, 899..1162		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o3.tw	Method	TBLASTX:Wheat
Start	876	End	1178
GI	none	Score	382
Exons	876..1178, 877..978, 896..1177		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	1179	End	1688

GI	none	Score	623
Exons	1179..1688, 1211..1522, 1257..1604		
Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o2.ts	Method	TBLASTX:Soybean
Start	1203	End	1430
GI	none	Score	198
Exons	1203..1430		
Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	1251	End	1616
GI	none	Score	488
Exons	1251..1604, 1253..1519, 1305..1616, 1412..1609		
Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13081	Strand	
Start	1692	End	1913
Name	OJ990603_01.0228.C27.o4.tw	Method	TBLASTX:Wheat
Start	1692	End	1913
GI	none	Score	196
Exons	1692..1913, 1763..1864		
Seq. No.	6219	Seq. ID	OJ990603_01.0228.C28
Gene No.	13082	Strand	
Start	2	End	283
Name	OJ990603_01.0228.C28.o1.tw	Method	TBLASTX:Wheat
Start	2	End	229
GI	none	Score	225
Exons	2..229		
Seq. No.	6219	Seq. ID	OJ990603_01.0228.C28
Gene No.	13082	Strand	
Start	2	End	283
Name	OJ990603_01.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	26	End	283
GI	none	Score	220
Exons	26..250, 251..283		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13083	Strand	
Start	55	End	589
Name	OJ990603_01.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	55	End	589
GI	none	Score	299
Exons	55..201, 56..589, 63..407		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13083	Strand	
Start	55	End	589
Name	OJ990603_01.0228.C29.o2.ts	Method	TBLASTX:Soybean
Start	55	End	262
GI	none	Score	133

Exons 55..138, 56..262, 57..251

Seq. No. 6220
Gene No. 13083
Start 55
Name OJ990603_01.0228.C29.o4.tm
Start 59
GI none
Exons 59..406, 87..407, 101..433

Seq. ID OJ990603_01.0228.C29
Strand
End 589
Method TBLASTX:Maize
End 433
Score 156

Seq. No. 6220
Gene No. 13084
Start 617
Name OJ990603_01.0228.C29.o1.tm
Start 617
GI none
Exons 617..970, 624..959

Seq. ID OJ990603_01.0228.C29
Strand
End 1042
Method TBLASTX:Maize
End 970
Score 210

Seq. No. 6220
Gene No. 13084
Start 617
Name OJ990603_01.0228.C29.o2.tw
Start 617
GI none
Exons 617..1042, 624..959, 978..1040

Seq. ID OJ990603_01.0228.C29
Strand
End 1042
Method TBLASTX:Wheat
End 1042
Score 265

Seq. No. 6220
Gene No. 13084
Start 617
Name OJ990603_01.0228.C29.o3.ts
Start 788
GI none
Exons 788..1036

Seq. ID OJ990603_01.0228.C29
Strand
End 1042
Method TBLASTX:Soybean
End 1036
Score 212

Seq. No. 6220
Gene No. 13085
Start 977
Name OJ990603_01.0228.C29.o3.tm
Start 977
GI none
Exons 977..1309, 978..1256

Seq. ID OJ990603_01.0228.C29
Strand
End 1453
Method TBLASTX:Maize
End 1309
Score 142

Seq. No. 6220
Gene No. 13085
Start 977
Name OJ990603_01.0228.C29.o4.tw
Start 1043
GI none
Exons 1043..1306, 1044..1304

Seq. ID OJ990603_01.0228.C29
Strand
End 1453
Method TBLASTX:Wheat
End 1306
Score 250

Seq. No. 6220
Gene No. 13085
Start 977
Name OJ990603_01.0228.C29.o1.ts
Start 1058
GI none
Exons 1058..1309, 1068..1301, 1364..1417, 1374..1415, 1421..1453,

Seq. ID OJ990603_01.0228.C29
Strand
End 1453
Method TBLASTX:Soybean
End 1453
Score 189

1421..1453

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o2.tm	Method	TBLASTX:Maize
Start	1364	End	1811
GI	none	Score	108
Exons	1364..1807, 1374..1811		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o3.tw	Method	TBLASTX:Wheat
Start	1394	End	1877
GI	none	Score	223
Exons	1394..1876, 1397..1852, 1437..1877		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o4.ts	Method	TBLASTX:Soybean
Start	1526	End	1840
GI	none	Score	184
Exons	1526..1840		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13087	Strand	
Start	1812	End	2005
Name	OJ990603_01.0228.C29.o5.tm	Method	TBLASTX:Maize
Start	1812	End	2005
GI	none	Score	148
Exons	1812..1967, 1814..2005		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13088	Strand	
Start	2009	End	2362
Name	OJ990603_01.0228.C29.o5.tw	Method	TBLASTX:Wheat
Start	2009	End	2362
GI	none	Score	259
Exons	2009..2362		

Seq. No.	6221	Seq. ID	OJ990603_01.0228.C30
Gene No.	13089	Strand	
Start	260	End	568
Name	OJ990603_01.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	260	End	568
GI	none	Score	90
Exons	260..532, 260..568, 468..545		

Seq. No.	6222	Seq. ID	OJ990603_01.0228.C34
Gene No.	13090	Strand	-
Start	415	End	530
Name	OJ990603_01.0228.C34.o2.gp	Method	AAT/GAP
Start	415	End	530
GI	uC-osroM202016a12a1	Score	157
Exons	415..530		

GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.ol.ts	Method	TBLASTX:Soybean
Start	717	End	1310
GI	none	Score	103
Exons	717..797, 996..1133, 1000..1116, 1191..1298, 1221..1310		

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.ol.tm	Method	TBLASTX:Maize
Start	996	End	1310
GI	none	Score	181
Exons	996..1160, 1000..1158, 1001..1297, 1002..1298, 1215..1310		

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.ol.tw	Method	TBLASTX:Wheat
Start	996	End	1310
GI	none	Score	81
Exons	996..1109, 1000..1122, 1179..1298, 1190..1288, 1218..1310		

Seq. No.	6224	Seq. ID	OJ990603_01.0228.C38
Gene No.	13092	Strand	
Start	27	End	273
Name	OJ990603_01.0228.C38.ol.tm	Method	TBLASTX:Maize
Start	27	End	273
GI	none	Score	192
Exons	27..269, 28..264, 49..273		

Seq. No.	6225	Seq. ID	OJ990603_01.0228.C41
Gene No.	13093	Strand	
Start	109	End	505
Name	OJ990603_01.0228.C41.ol.tw	Method	TBLASTX:Wheat
Start	109	End	505
GI	none	Score	49
Exons	109..501, 259..468, 272..505, 297..503		

Seq. No.	6225	Seq. ID	OJ990603_01.0228.C41
Gene No.	13094	Strand	
Start	565	End	780
Name	OJ990603_01.0228.C41.ol.tm	Method	TBLASTX:Maize
Start	565	End	780
GI	none	Score	53
Exons	565..780, 566..613, 659..721		

Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.ol.tw	Method	TBLASTX:Wheat
Start	88	End	706
GI	none	Score	110

Exons 88..375, 89..376, 352..585, 359..706, 361..705

Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.tm	Method	TBLASTX:Maize
Start	172	End	567
GI	none	Score	252
Exons	172..567		

Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.ts	Method	TBLASTX:Soybean
Start	280	End	669
GI	none	Score	127
Exons	280..669, 322..588, 386..652		

Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.tc	Method	TBLASTX:Cress
Start	496	End	747
GI	none	Score	183
Exons	496..747		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13096	Strand	
Start	20	End	343
Name	OJ990603_01.0228.C47.o2.tw	Method	TBLASTX:Wheat
Start	20	End	302
GI	none	Score	223
Exons	20..301, 24..302		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13096	Strand	
Start	20	End	343
Name	OJ990603_01.0228.C47.o1.tm	Method	TBLASTX:Maize
Start	23	End	343
GI	none	Score	172
Exons	23..328, 26..343, 30..332		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o1.ts	Method	TBLASTX:Soybean
Start	260	End	520
GI	none	Score	151
Exons	260..520, 261..515		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o1.tc	Method	TBLASTX:Cress
Start	284	End	601
GI	none	Score	81
Exons	284..427, 285..425, 428..601		

Seq. No. 6227
Gene No. 13097
Start 260
Name OJ990603_01.0228.C47.o1.tw
Start 308
GI none
Exons 308..619, 309..563, 314..595

Seq. ID OJ990603_01.0228.C47
Strand
End 625
Method TBLASTX:Wheat
End 619
Score 237

Seq. No. 6227
Gene No. 13097
Start 260
Name OJ990603_01.0228.C47.o2.tm
Start 344
GI none
Exons 344..625, 345..548, 356..577

Seq. ID OJ990603_01.0228.C47
Strand
End 625
Method TBLASTX:Maize
End 625
Score 101

Seq. No. 6228
Gene No. 13098
Start 458
Name OJ990603_01.0228.C50.o1.tw
Start 458
GI none
Exons 458..688, 509..640

Seq. ID OJ990603_01.0228.C50
Strand
End 688
Method TBLASTX:Wheat
End 688
Score 75

Seq. No. 6229
Gene No. 13099
Start 98
Name OJ990603_01.0228.C51.o2.tw
Start 98
GI none
Exons 98..295, 114..296, 123..296

Seq. ID OJ990603_01.0228.C51
Strand
End 296
Method TBLASTX:Wheat
End 296
Score 198

Seq. No. 6229
Gene No. 13100
Start 345
Name OJ990603_01.0228.C51.o1.tw
Start 345
GI none
Exons 345..542, 348..674

Seq. ID OJ990603_01.0228.C51
Strand
End 674
Method TBLASTX:Wheat
End 674
Score 294

Seq. No. 6229
Gene No. 13100
Start 345
Name OJ990603_01.0228.C51.o1.tm
Start 348
GI none
Exons 348..653, 348..557

Seq. ID OJ990603_01.0228.C51
Strand
End 674
Method TBLASTX:Maize
End 653
Score 243

Seq. No. 6230
Gene No. 13101
Start 135
Name OJ990603_01.0228.C52.o1.tm
Start 135
GI none
Exons 135..161, 229..372, 233..373

Seq. ID OJ990603_01.0228.C52
Strand
End 373
Method TBLASTX:Maize
End 373
Score 122

Seq. No.	6231	Seq. ID	OJ990603_01.0228.C53
Gene No.	13102	Strand	
Start	180	End	538
Name	OJ990603_01.0228.C53.o1.tw	Method	TBLASTX:Wheat
Start	180	End	538
GI	none	Score	185
Exons	180..458, 202..474, 476..538		

Seq. No.	6232	Seq. ID	OJ990603_01.0228.C55
Gene No.	13103	Strand	-
Start	710	End	776
Name	OJ990603_01.0228.C55.o1.gp	Method	AAT/GAP
Start	710	End	776
GI	4879016	Score	96
Exons	710..776		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6232	Seq. ID	OJ990603_01.0228.C55
Gene No.	13104	Strand	-
Start	1500	End	1881
Name	OJ990603_01.0228.C55.o2.gp	Method	AAT/GAP
Start	1500	End	1881
GI	uC-osflcyp033a04b1	Score	667
Exons	1500..1881		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6233	Seq. ID	OJ990603_01.0228.C57
Gene No.	13105	Strand	
Start	10	End	372
Name	OJ990603_01.0228.C57.o1.tw	Method	TBLASTX:Wheat
Start	10	End	372
GI	none	Score	65
Exons	10..372, 263..361, 268..363		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.ts	Method	TBLASTX:Soybean
Start	3	End	410
GI	5509260	Score	316
Exons	3..410, 222..389, 332..391		
GI Descrip.	-		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.tc	Method	TBLASTX:Cress
Start	39	End	299
GI	none	Score	255
Exons	39..299		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290

Name	OJ990603_01.0228.C61.o1.tm	Method	TBLASTX:Maize
Start	81	End	545
GI	none	Score	318
Exons	81..545, 216..398, 332..442		
Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.tw	Method	TBLASTX:Wheat
Start	81	End	626
GI	none	Score	277
Exons	81..425, 441..626, 447..596, 494..616		
Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.ts	Method	TBLASTX:Soybean
Start	482	End	825
GI	none	Score	207
Exons	482..685, 483..686, 685..825		
Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.tm	Method	TBLASTX:Maize
Start	697	End	975
GI	none	Score	214
Exons	697..960, 742..975, 747..974		
Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o3.ts	Method	TBLASTX:Soybean
Start	826	End	1194
GI	none	Score	91
Exons	826..951, 970..1194		
Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1290
GI	none	Score	77
Exons	831..878, 832..906, 833..904, 921..1289, 921..1280, 922..1290		
Seq. No.	6235	Seq. ID	OJ990603_01.0228.C65
Gene No.	13107	Strand	
Start	66	End	457
Name	OJ990603_01.0228.C65.o1.tm	Method	TBLASTX:Maize
Start	66	End	456
GI	none	Score	143
Exons	66..455, 70..321, 87..455, 367..456		
Seq. No.	6235	Seq. ID	OJ990603_01.0228.C65
Gene No.	13107	Strand	
Start	66	End	457
Name	OJ990603_01.0228.C65.o1.tw	Method	TBLASTX:Wheat

Start	147	End	457
GI	none	Score	178
Exons	147..455, 148..456, 344..457		

Seq. No.	6236	Seq. ID	OJ990603_01.0228.C69
Gene No.	13108	Strand	-
Start	370	End	522
Name	OJ990603_01.0228.C69.o1.gp	Method	AAT/GAP
Start	370	End	522
GI	700189	Score	123
Exons	370..448, 495..522		
GI Descrip.	5817110/emb CAB53671.1 1.0e-23 (AL110193) hypothetical protein [Homo sapiens]		

Seq. No.	6237	Seq. ID	OJ000108_58.0228.C3
Gene No.	13109	Strand	-
Start	904	End	1127
Name	OJ000108_58.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1020
GI	none	Score	132
Exons	877..1020, 878..1006		

Seq. No.	6237	Seq. ID	OJ000108_58.0228.C3
Gene No.	13109	Strand	-
Start	904	End	1127
Name	OJ000108_58.0228.C3.o1.gp	Method	AAT/GAP
Start	904	End	1127
GI	2310876	Score	374
Exons	904..1127		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13110	Strand	-
Start	6641	End	7033
Name	OJ000108_58.0228.C6.o6.tw	Method	TBLASTX:Wheat
Start	6641	End	7033
GI	none	Score	55
Exons	6641..6688, 6695..6793, 6712..6792, 6760..6999, 6776..7033		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13110	Strand	-
Start	6641	End	7033
Name	OJ000108_58.0228.C6.o4.tm	Method	TBLASTX:Maize
Start	6683	End	6931
GI	none	Score	193
Exons	6683..6931, 6685..6930		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13111	Strand	-
Start	7771	End	8257
Name	OJ000108_58.0228.C6.o3.tw	Method	TBLASTX:Wheat
Start	7771	End	8257
GI	none	Score	415
Exons	7771..7944, 7772..8257, 7966..8253		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	-
Start	8421	End	8908

Name	OJ000108_58.0228.C6.o1.tw	Method	TBLASTX:Wheat
Start	8421	End	8884
GI	none	Score	208
Exons	8421..8864, 8422..8883, 8423..8884		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	
Start	8421	End	8908
Name	OJ000108_58.0228.C6.o3.ts	Method	TBLASTX:Soybean
Start	8462	End	8827
GI	none	Score	117
Exons	8462..8686, 8693..8827		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	
Start	8421	End	8908
Name	OJ000108_58.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	8552	End	8908
GI	none	Score	393
Exons	8552..8908, 8587..8898, 8618..8908		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o3.tm	Method	TBLASTX:Maize
Start	8935	End	9319
GI	none	Score	353
Exons	8935..9300, 8936..9319		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o2.tw	Method	TBLASTX:Wheat
Start	8993	End	9417
GI	none	Score	481
Exons	8993..9412, 8998..9417		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	9071	End	9442
GI	none	Score	274
Exons	9071..9442, 9088..9231		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816
Name	OJ000108_58.0228.C6.o5.tw	Method	TBLASTX:Wheat
Start	10043	End	10501
GI	none	Score	234
Exons	10043..10291, 10067..10291, 10132..10305, 10352..10501, 10361..10498, 10363..10500		
Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816

Name	OJ000108_58.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	10190	End	10756
GI	5666795	Score	68
Exons	10190..10288, 10364..10501, 10556..10756		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816
Name	OJ000108_58.0228.C6.o7.tw	Method	TBLASTX:Wheat
Start	10504	End	10816
GI	none	Score	192
Exons	10504..10680, 10517..10705, 10556..10816		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13115	Strand	
Start	11009	End	11500
Name	OJ000108_58.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	11009	End	11371
GI	none	Score	361
Exons	11009..11332, 11038..11319, 11324..11371		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13115	Strand	
Start	11009	End	11500
Name	OJ000108_58.0228.C6.o4.tw	Method	TBLASTX:Wheat
Start	11146	End	11500
GI	none	Score	365
Exons	11146..11202, 11147..11500, 11248..11496		

Seq. No.	6239	Seq. ID	OJ000108_58.0228.C7
Gene No.	13116	Strand	
Start	77	End	259
Name	OJ000108_58.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	77	End	259
GI	none	Score	192
Exons	77..259, 82..258		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	286	End	730
GI	none	Score	352
Exons	286..633, 287..730, 392..634		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	374	End	718
GI	none	Score	337
Exons	374..718, 383..634, 391..681		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771

Name	OJ000108_58.0228.C8.ol.tm	Method	TBLASTX:Maize
Start	419	End	742
GI	none	Score	373
Exons	419..742, 420..704, 424..705		
Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.ol.gp	Method	AAT/GAP
Start	430	End	771
GI	59584_1.R1084	Score	677
Exons	430..771		
GI Descrip.	'3738230/dbj BAA33794 1.0e-22 (AB007790) DREB2A [Arabidopsis thaliana] >gi_4126706_dbj_BAA36705_ (AB016570) DREB2A [Arabidopsis thaliana]'		
Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.ol.tc	Method	TBLASTX:Cress
Start	3	End	243
GI	none	Score	215
Exons	3..242, 4..243		
Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.ol.ts	Method	TBLASTX:Soybean
Start	3	End	1247
GI	none	Score	77
Exons	3..419, 468..512, 1017..1148, 1161..1247		
Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.ol.tm	Method	TBLASTX:Maize
Start	160	End	1087
GI	none	Score	595
Exons	160..573, 160..573, 162..578, 996..1085, 1015..1086, 1016..1087, 1017..1085		
Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.o2.tc	Method	TBLASTX:Cress
Start	327	End	1202
GI	none	Score	165
Exons	327..578, 352..573, 1015..1122, 1017..1202, 1023..1202		
Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13119	Strand	
Start	1199	End	1392
Name	OJ000108_58.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	1199	End	1392
GI	none	Score	127
Exons	1199..1375, 1200..1376, 1200..1391, 1201..1392		

Seq. No.	6242	Seq. ID	OJ000108_58.0228.C10
Gene No.	13120	Strand	-
Start	1	End	280
Name	OJ000108_58.0228.C10.o1.gp	Method	AAT/GAP
Start	1	End	280
GI	none	Score	560
Exons	1..280		

Seq. No.	6242	Seq. ID	OJ000108_58.0228.C10
Gene No.	13121	Strand	
Start	2264	End	3983
Name	OJ000108_58.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	2264	End	3983
GI	none	Score	83
Exons	2264..2368, 2285..2452, 2656..2745, 2671..2748, 2829..2912, 2831..2914, 2834..2914, 2836..2925, 2840..2899, 3582..3782, 3582..3758, 3590..3781, 3591..3791, 3624..3785, 3648..3749, 3860..3895, 3882..3983, 3884..3982, 3884..3934		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13122	Strand	+
Start	7949	End	8050
Name	OJ000108_58.0228.C14.o2.gp	Method	AAT/GAP
Start	7949	End	8050
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	7949..8050		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	2598
GI	none	Score	232
Exons	2307..2489, 2311..2490, 2491..2598		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	2310	End	2598
GI	none	Score	250
Exons	2310..2489, 2314..2490, 2497..2598, 2499..2591		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	2322	End	2598
GI	none	Score	268
Exons	2322..2489, 2323..2490, 2491..2598, 2514..2588		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937

Name	OJ000108_58.0228.C14.o1.gp	Method	AAT/GAP
Start	2620	End	2937
GI	2280610	Score	598
Exons	2620..2937		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13124	Strand	
Start	4384	End	5047
Name	OJ000108_58.0228.C14.o2.tm	Method	TBLASTX:Maize
Start	4384	End	5047
GI	none	Score	67
Exons	4384..4542, 4387..4536, 4390..4539, 4391..4537, 4394..4549, 4399..4551, 4399..4548, 4419..4460, 4432..4506, 4486..4578, 4487..4594, 4539..4631, 4540..4632, 4567..4719, 4575..4733, 4579..4734, 4581..4724, 4584..4724, 4594..4752, 4613..4723, 4617..4724, 4723..4881, 4726..4806, 4745..4867, 4775..4897, 4775..4885, 4782..4841, 4889..5023, 4890..5015, 4892..5047, 4893..5030, 4923..5024		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13125	Strand	
Start	6792	End	8005
Name	OJ000108_58.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	6792	End	8002
GI	none	Score	88
Exons	6792..6848, 6793..6846, 7489..7554, 7490..7603, 7703..7786, 7793..7828, 7946..8002		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13125	Strand	
Start	6792	End	8005
Name	OJ000108_58.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	6796	End	8005
GI	none	Score	64
Exons	6796..6846, 7492..7557, 7493..7603, 7703..7744, 7787..7828, 7929..8000, 7946..8005		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	8090	End	9226
GI	none	Score	62
Exons	8090..8134, 8090..8134, 8230..8295, 8230..8295, 8234..8302, 8395..8562, 8400..8573, 8400..8579, 8401..8598, 8402..8605, 8913..9008, 8914..9009, 8932..9009, 9119..9226, 9121..9225		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	8258	End	9208
GI	none	Score	64
Exons	8258..8302, 8258..8296, 8395..8571, 8397..8579, 8914..9003, 8919..9008, 9127..9207, 9128..9208		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
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Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.ol.tc	Method	TBLASTX:Cress
Start	8400	End	9208
GI	none	Score	216
Exons	8400..8579, 8401..8571, 8914..9009, 8940..9005, 9119..9208, 9121..9204		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.ol.tc	Method	TBLASTX:Cress
Start	3932	End	6100
GI	none	Score	69
Exons	3932..4075, 3956..4087, 4091..4585, 4094..4585, 4106..4309, 4169..4585, 4187..4522, 4199..4576, 4232..4576, 4238..4381, 4241..4450, 4262..4522, 4280..4585, 4282..4365, 4301..4477, 4342..4431, 4376..4546, 4376..4585, 4661..4765, 4793..4873, 4976..5047, 4976..5056, 5030..5242, 5048..5239, 5048..5230, 5056..5229, 5060..5239, 5098..5268, 5099..5245, 5102..5233, 5102..5230, 5123..5230, 5135..5233, 5135..5239, 5135..5245, 5150..5239, 5165..5386, 5240..5518, 5246..5530, 5258..5518, 5267..5470, 5267..5449, 5297..5530, 5354..5539, 5558..5662, 5765..6055, 5765..5902, 5765..6100, 5768..6100, 5791..6099, 5810..6085, 5816..6100, 5837..6046, 5855..6016, 5873..6100, 5990..6100		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.ol.tw	Method	TBLASTX:Wheat
Start	3944	End	6100
GI	none	Score	66
Exons	3944..4099, 5267..5518, 5717..6088, 5857..6087, 5909..6100		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.ol.ts	Method	TBLASTX:Soybean
Start	3953	End	6126
GI	none	Score	72
Exons	3953..4075, 4091..4429, 4106..4363, 4175..4435, 4202..4510, 4313..4573, 4337..4576, 4373..4576, 4400..4582, 4751..4888, 4976..5230, 5000..5110, 5060..5095, 5096..5230, 5111..5239, 5132..5239, 5141..5239, 5183..5278, 5192..5251, 5246..5377, 5252..5530, 5267..5512, 5267..5512, 5399..5518, 5570..5611, 5708..6121, 5735..5962, 5737..6126, 5765..5962, 5765..5824, 5774..6040, 5792..6094, 5855..5956, 5855..6034, 5861..6037		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.ol.tm	Method	TBLASTX:Maize
Start	4235	End	6157
GI	none	Score	88
Exons	4235..4501, 4301..4585, 4322..4435, 4376..4513, 5057..5242, 5059..5607, 5060..5608, 5359..5613, 5771..5836, 5855..6037,		

5909..6046, 5939..6157

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.gp	Method	AAT/GAP
Start	6036	End	7136
GI	2427608	Score	650
Exons	6036..6224, 6602..6659, 7004..7136		

Seq. No.	6246	Seq. ID	OJ000108_58.0228.C22
Gene No.	13128	Strand	
Start	18	End	981
Name	OJ000108_58.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	18	End	944
GI	none	Score	110
Exons	18..218, 94..168, 120..272, 148..273, 673..789, 675..791, 870..944, 871..942		

Seq. No.	6246	Seq. ID	OJ000108_58.0228.C22
Gene No.	13128	Strand	
Start	18	End	981
Name	OJ000108_58.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	93	End	981
GI	none	Score	101
Exons	93..167, 94..168, 193..297, 673..789, 712..789, 714..824, 870..980, 871..981		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13129	Strand	+
Start	1009	End	1853
Name	OJ000108_58.0228.C23.o1.gp	Method	AAT/GAP
Start	1009	End	1853
GI	3766731	Score	930
Exons	1009..1245, 1349..1416, 1542..1853		
GI Descrip.	2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.tm	Method	TBLASTX:Maize
Start	99	End	710
GI	none	Score	101
Exons	99..164, 100..168, 101..163, 259..390, 267..386, 476..706, 498..710, 500..703, 502..705		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	522	End	1423
GI	5605823	Score	153
Exons	522..704, 527..685, 801..941, 806..940, 1011..1139, 1018..1173, 1162..1251, 1349..1423		
GI Descrip.	2651302 4.0e-67 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	879	End	1677
GI	none	Score	100
Exons	879..941, 881..940, 1018..1251, 1020..1250, 1346..1414, 1347..1415, 1347..1415, 1348..1419, 1349..1471, 1534..1677, 1539..1619		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.gp	Method	AAT/GAP
Start	2316	End	4282
GI	22365_2.R1084	Score	1498
Exons	2316..2583, 2929..2988, 3075..3272, 3364..3548, 4166..4282		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.ts	Method	TBLASTX:Soybean
Start	2417	End	3531
GI	none	Score	68
Exons	2417..2557, 2929..2991, 3063..3275, 3181..3273, 3364..3531		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	2489	End	3505
GI	none	Score	41
Exons	2489..2557, 2553..2585, 2938..2991, 2954..2992, 3063..3275, 3073..3276, 3364..3489, 3365..3505		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o3.tm	Method	TBLASTX:Maize
Start	3123	End	3483
GI	none	Score	81
Exons	3123..3278, 3124..3273, 3370..3483, 3380..3457		

Seq. No.	6248	Seq. ID	OJ000108_58.0228.C25
Gene No.	13131	Strand	-
Start	141	End	1543
Name	OJ000108_58.0228.C25.o1.tm	Method	TBLASTX:Maize
Start	141	End	1543
GI	none	Score	80
Exons	141..248, 141..248, 315..461, 315..461, 316..462, 775..828, 777..827, 995..1114, 1005..1091, 1006..1119, 1371..1532, 1390..1533, 1405..1533, 1478..1543		

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27
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Gene No.	13132	Strand	+
Start	248	End	720
Name	OJ000108_58.0228.C27.o1.gp	Method	AAT/GAP
Start	248	End	720
GI	LIB3431-006-P1-K1-H11	Score	517
Exons	248..415, 495..581, 689..720		
GI Descrip.	'225174/prf 1210248A 2.0e-11	glutelin precursor [Oryza sativa]	

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27
Gene No.	13133	Strand	-
Start	2744	End	3498
Name	OJ000108_58.0228.C27.o2.gp	Method	AAT/GAP
Start	2744	End	3498
GI	2796811	Score	307
Exons	2744..2872, 3408..3498		

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27
Gene No.	13134	Strand	-
Start	5918	End	7406
Name	OJ000108_58.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	5918	End	7406
GI	none	Score	107
Exons	5918..6001, 5922..6002, 5923..6003, 5938..6006, 6144..6239, 6145..6237, 6146..6241, 6767..6931, 6767..6925, 6768..6941, 6769..6963, 6769..6927, 7365..7406		

Seq. No.	6250	Seq. ID	OJ000108_58.0228.C30
Gene No.	13135	Strand	-
Start	1	End	80
Name	OJ000108_58.0228.C30.o1.gp	Method	AAT/GAP
Start	1	End	80
GI	2799165	Score	152
Exons	1..80		
GI Descrip.	225174/prf 1210248A 2.0e-11	glutelin precursor [Oryza sativa]	

Seq. No.	6251	Seq. ID	OJ000108_58.0228.C31
Gene No.	13136	Strand	-
Start	3	End	233
Name	OJ000108_58.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	3	End	233
GI	none	Score	50
Exons	3..44, 6..41, 104..229, 111..233, 122..232		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	340	End	2056
GI	none	Score	131
Exons	340..432, 340..399, 342..431, 1192..1335, 1198..1326, 1855..2055, 1856..2056, 1856..2056		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.gs	Method	GENSCAN
Start	343	End	3226

GI	none	Score	.88
Exons	343..430, 1199..1326, 1856..2060, 2370..2542, 2701..2919, 3088..3226		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.gp	Method	AAT/GAP
Start	1212	End	2427
GI	none	Score	708
Exons	1212..1326, 1856..2060, 2370..2427		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	1949	End	3211
GI	none	Score	79
Exons	1949..2056, 2367..2534, 2371..2535, 2372..2539, 2393..2539, 2725..2871, 2737..2871, 3016..3180, 3017..3178, 3182..3211		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	2456	End	2923
GI	none	Score	127
Exons	2456..2542, 2459..2542, 2629..2652, 2704..2742, 2721..2918, 2722..2919, 2722..2919, 2735..2923		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.gp	Method	AAT/GAP
Start	1	End	142
GI	uC-osrocyp009b11b1	Score	280
Exons	1..142		
GI Descrip.	'4678384/emb CAB41116.1 7.0e-23 (AL049656) putative protein [Arabidopsis thaliana]'		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	593
GI	4678384	Score	762
Exons	1..593		
GI Descrip.	(AL049656) putative protein [Arabidopsis thaliana]		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o3.np	Method	AAT/NAP
Start	1	End	9862
GI	1076802	Score	197
Exons	1..263, 444..558, 5548..5677, 6249..6762, 9508..9862		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465)		

extensin-like protein [Zea mays] gi|1096557|prf||2111476A
 extensin-like domain [Zea mays]

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.gs	Method	GENSCAN
Start	48	End	593
GI	none	Score	1
Exons	48..593		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13139	Strand	-
Start	388	End	784
Name	OJ000118_20.0222.C3.o2.gp	Method	AAT/GAP
Start	388	End	784
GI	uC-osrocyp009g02a1	Score	734
Exons	388..784		
GI Descrip.	'4678384/emb CAB41116.1 2.0e-17 (AL049656) putative protein [Arabidopsis thaliana]'		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	2	End	182
GI	none	Score	237
Exons	2..172, 3..182		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	293	End	587
GI	none	Score	340
Exons	293..586, 294..587		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	297	End	590
GI	none	Score	187
Exons	297..536, 299..433, 464..508, 515..589, 519..590		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o2.gs	Method	GENSCAN
Start	948	End	5616
GI	none	Score	.68
Exons	948..1441, 1733..1905, 2008..2372, 3381..3626, 4132..4269, 5521..5616		
Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616

Name	OJ000118_20.0222.C3.o2.np	Method	AAT/NAP
Start	948	End	5121
GI	2494126	Score	996
Exons	948..1172, 1260..1851, 1955..3294, 3352..3599, 4132..4327, 4839..4965, 5043..5121		
GI Descrip.	(AC002376) Contains similarity to Chlamydia outer membrane protein (gb X53512). [Arabidopsis thaliana]		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	2028	End	2418
GI	none	Score	152
Exons	2028..2057, 2070..2111, 2112..2246, 2119..2247, 2202..2417, 2251..2418		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13141	Strand	+
Start	587	End	800
Name	OJ000118_20.0222.C4.o1.gp	Method	AAT/GAP
Start	587	End	800
GI	2796803	Score	363
Exons	587..800		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13142	Strand	+
Start	2952	End	3917
Name	OJ000118_20.0222.C4.o1.np	Method	AAT/NAP
Start	2952	End	3917
GI	5903045	Score	240
Exons	2952..3081, 3495..3917		
GI Descrip.	(AC008016) Similar to gb AF108945 signal peptidase 18 kDa subunit from Homo sapiens. ESTs gb H76629, gb H76949 and gb H76216 come from this gene. [Arabidopsis thaliana]		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13142	Strand	+
Start	2952	End	3917
Name	OJ000118_20.0222.C4.o1.gs	Method	GENSCAN
Start	3354	End	3881
GI	none	Score	.93
Exons	3354..3881		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13143	Strand	+
Start	4684	End	6522
Name	OJ000118_20.0222.C4.o2.np	Method	AAT/NAP
Start	4684	End	6522
GI	4512698	Score	461
Exons	4684..4706, 6068..6522		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.tm	Method	TBLASTX:Maize

Start	3524	End	3833
GI	none	Score	48
Exons	3524..3544, 3534..3572, 3626..3736, 3627..3791, 3774..3833		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.ts	Method	TBLASTX:Soybean
Start	3524	End	3833
GI	none	Score	48
Exons	3524..3544, 3534..3572, 3626..3751, 3627..3791, 3774..3833, 3776..3832		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.tc	Method	TBLASTX:Cress
Start	3534	End	3839
GI	none	Score	52
Exons	3534..3575, 3626..3772, 3627..3773, 3774..3833, 3774..3839		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.gs	Method	GENSCAN
Start	5483	End	6403
GI	none	Score	.52
Exons	5483..5816, 5818..6245, 6279..6403		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	6086	End	6521
GI	none	Score	101
Exons	6086..6157, 6087..6158, 6236..6334, 6237..6449, 6456..6491, 6483..6521		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	6174	End	6521
GI	none	Score	63
Exons	6174..6224, 6212..6520, 6255..6521		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	6255	End	6449
GI	none	Score	257
Exons	6255..6377, 6260..6448, 6261..6449		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521

Name OJ000118_20.0222.C4.ol.tc
 Start 6345
 GI none
 Exons 6345..6518, 6380..6520

Method TBLASTX:Cress
 End 6520
 Score 214

Seq. No. 6255
 Gene No. 13145
 Start 1
 Name OJ000118_20.0222.C5.ol.np
 Start 1
 GI 4512698
 Exons 1..415, 1253..1472
 GI Descrip. (AC006569) unknown protein [Arabidopsis thaliana]

Seq. ID OJ000118_20.0222.C5
 Strand +
 End 1472
 Method AAT/NAP
 End 1472
 Score 410

Seq. No. 6255
 Gene No. 13145
 Start 1
 Name OJ000118_20.0222.C5.ol.tm
 Start 4
 GI none
 Exons 4..129, 5..190, 9..191

Seq. ID OJ000118_20.0222.C5
 Strand +
 End 1472
 Method TBLASTX:Maize
 End 191
 Score 252

Seq. No. 6255
 Gene No. 13145
 Start 1
 Name OJ000118_20.0222.C5.ol.ts
 Start 5
 GI none
 Exons 5..382, 6..386

Seq. ID OJ000118_20.0222.C5
 Strand +
 End 1472
 Method TBLASTX:Soybean
 End 386
 Score 454

Seq. No. 6255
 Gene No. 13145
 Start 1
 Name OJ000118_20.0222.C5.ol.gs
 Start 12
 GI none
 Exons 12..415, 1309..1453

Seq. ID OJ000118_20.0222.C5
 Strand +
 End 1472
 Method GENSCAN
 End 1453
 Score .77

Seq. No. 6256
 Gene No. 13146
 Start 200
 Name OJ000118_20.0222.C6.ol.gs
 Start 200
 GI none
 Exons 200..271

Seq. ID OJ000118_20.0222.C6
 Strand +
 End 271
 Method GENSCAN
 End 271
 Score .84

Seq. No. 6257
 Gene No. 13147
 Start 1
 Name OJ000118_20.0222.C7.ol.np
 Start 1
 GI 4512698
 Exons 1..516
 GI Descrip. (AC006569) unknown protein [Arabidopsis thaliana]

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 591
 Method AAT/NAP
 End 516
 Score 493

Seq. No. 6257
 Gene No. 13147

Seq. ID OJ000118_20.0222.C7
 Strand +

Start 1
 Name OJ000118_20.0222.C7.o1.gs
 Start 46
 GI none
 Exons 46..591

End 591
 Method GENSCAN
 End 591
 Score .97

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o1.ts
 Start 2
 GI none
 Exons 2..67, 49..504, 78..500

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method TBLASTX:Soybean
 End 504
 Score 67

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o1.tm
 Start 70
 GI none
 Exons 70..300, 78..299

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method TBLASTX:Maize
 End 300
 Score 307

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o1.tc
 Start 318
 GI none
 Exons 318..509, 325..516

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method TBLASTX:Cress
 End 516
 Score 182

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o2.gs
 Start 2096
 GI none
 Exons 2096..2186, 2242..2389, 2538..2639

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method GENSCAN
 End 2639
 Score .77

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o2.np
 Start 2244
 GI 4322321
 Exons 2244..2447, 2550..2727

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method AAT/NAP
 End 2727
 Score 225

GI Descrip. (AF080542) amino acid transporter [Nepenthes alata]

Seq. No. 6257
 Gene No. 13148
 Start 2096
 Name OJ000118_20.0222.C7.o2.tc
 Start 2246
 GI none
 Exons 2246..2359, 2247..2369, 2413..2442, 2563..2613

Seq. ID OJ000118_20.0222.C7
 Strand +
 End 2727
 Method TBLASTX:Cress
 End 2613
 Score 147

Seq. No. 6257
 Gene No. 13148

Seq. ID OJ000118_20.0222.C7
 Strand +

Start	2096	End	2727
Name	OJ000118_20.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	2246	End	2638
GI	none	Score	200
Exons	2246..2371, 2247..2372, 2357..2401, 2375..2398, 2379..2444, 2404..2445, 2405..2446, 2557..2613, 2557..2637, 2594..2638		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13149	Strand	+
Start	1520	End	3193
Name	OJ000118_20.0222.C8.o2.np	Method	AAT/NAP
Start	1520	End	3193
GI	6069659	Score	95
Exons	1520..1542, 3070..3193		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13149	Strand	+
Start	1520	End	3193
Name	OJ000118_20.0222.C8.o1.np	Method	AAT/NAP
Start	2363	End	2848
GI	6907088	Score	314
Exons	2363..2502, 2678..2848		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13150	Strand	-
Start	13	End	79
Name	OJ000118_20.0222.C8.o1.gs	Method	GENSCAN
Start	13	End	79
GI	none	Score	.79
Exons	13..79		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13151	Strand	-
Start	1296	End	2443
Name	OJ000118_20.0222.C8.o2.gs	Method	GENSCAN
Start	1296	End	2443
GI	none	Score	.52
Exons	1296..1490, 1861..1913, 2377..2443		

Seq. No.	6259	Seq. ID	OJ000118_20.0222.C9
Gene No.	13152	Strand	+
Start	1	End	898
Name	OJ000118_20.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	898
GI	6907086	Score	668
Exons	1..469, 533..898		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6259	Seq. ID	OJ000118_20.0222.C9
Gene No.	13152	Strand	+
Start	1	End	898
Name	OJ000118_20.0222.C9.o1.gs	Method	GENSCAN
Start	44	End	555
GI	none	Score	.57
Exons	44..262, 305..555		

Seq. No.	6260	Seq. ID	OJ000118_20.0222.C10
Gene No.	13153	Strand	+
Start	1960	End	3412
Name	OJ000118_20.0222.C10.o1.np	Method	AAT/NAP
Start	1960	End	3412
GI	122007	Score	122
Exons	1960..2099, 3379..3412		
GI Descrip.	HISTONE H2A gi 100161 pir S11498 histone H2A - parsley gi 20448 emb CAA37828 (X53831) H2A histone protein (AA 1 - 149) [Petroselinum crispum]		

Seq. No.	6260	Seq. ID	OJ000118_20.0222.C10
Gene No.	13154	Strand	+
Start	6730	End	6983
Name	OJ000118_20.0222.C10.o1.gp	Method	AAT/GAP
Start	6730	End	6983
GI	2427946	Score	484
Exons	6730..6983		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	1639
GI	4512698	Score	2005
Exons	1..1639		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.gs	Method	GENSCAN
Start	45	End	1639
GI	none	Score	.6
Exons	45..1639		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.gp	Method	AAT/GAP
Start	1178	End	1483
GI	428459	Score	612
Exons	1178..1483		
GI Descrip.	4512698/gb AAD21751.1 3.0e-35 (AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13156	Strand	+
Start	1628	End	2055
Name	OJ000118_20.0222.C11.o2.gp	Method	AAT/GAP
Start	1628	End	2055
GI	3767836	Score	765
Exons	1628..2055		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13157	Strand	+

Start	4927	End	6897
Name	OJ000118_20.0222.C11.o2.np	Method	AAT/NAP
Start	4927	End	6897
GI	6739283	Score	114
Exons	4927..5172, 6845..6897		
GI Descrip.	(AF093547) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.ts	Method	TBLASTX:Soybean
Start	206	End	499
GI	none	Score	360
Exons	206..499, 212..499		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	254	End	693
GI	none	Score	123
Exons	254..355, 263..394, 394..576, 407..604, 416..607, 614..649, 643..693, 644..691		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	326	End	891
GI	none	Score	837
Exons	326..889, 328..891, 329..889		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.tc	Method	TBLASTX:Cress
Start	503	End	715
GI	none	Score	308
Exons	503..715, 503..706, 553..714		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.ts	Method	TBLASTX:Soybean
Start	539	End	865
GI	none	Score	527
Exons	539..865, 559..855		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	716	End	1087
GI	none	Score	511
Exons	716..1054, 719..1054, 1046..1087		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	866	End	1426
GI	none	Score	836
Exons	866..1426, 903..1271, 982..1419		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	962	End	1225
GI	none	Score	458
Exons	962..1225, 985..1224		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.tc	Method	TBLASTX:Cress
Start	1240	End	1627
GI	none	Score	225
Exons	1240..1425, 1247..1480, 1463..1558, 1463..1546, 1480..1554, 1564..1626, 1565..1627		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.tm	Method	TBLASTX:Maize
Start	1344	End	1504
GI	none	Score	225
Exons	1344..1502, 1346..1504		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o4.ts	Method	TBLASTX:Soybean
Start	1475	End	1648
GI	none	Score	218
Exons	1475..1633, 1478..1648, 1480..1647		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o4.tm	Method	TBLASTX:Maize
Start	1515	End	1778
GI	none	Score	101
Exons	1515..1634, 1516..1629, 1517..1639, 1737..1778		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.gs	Method	GENSCAN
Start	3410	End	6848
GI	none	Score	.53
Exons	3410..3541, 4512..4643, 4657..4695, 5268..5482, 6773..6848		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o5.tm	Method	TBLASTX:Maize
Start	5018	End	5224
GI	none	Score	188
Exons	5018..5224, 5025..5138, 5033..5170		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13159	Strand	+
Start	70	End	327
Name	OJ000118_20.0222.C12.o1.gs	Method	GENSCAN
Start	70	End	327
GI	none	Score	.97
Exons	70..327		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o2.gs	Method	GENSCAN
Start	869	End	1816
GI	none	Score	.98
Exons	869..1816		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1898
GI	none	Score	109
Exons	881..1066, 1127..1183, 1190..1333, 1194..1319, 1340..1510, 1350..1454, 1514..1672, 1778..1897, 1779..1898		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.np	Method	AAT/NAP
Start	890	End	1904
GI	3063445	Score	987
Exons	890..1904		
GI Descrip.	(AC003981) F22013.7 [Arabidopsis thaliana]		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	971	End	1672
GI	none	Score	142
Exons	971..1072, 1170..1328, 1172..1339, 1343..1672, 1431..1574		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	1208	End	1898
GI	none	Score	67
Exons	1208..1273, 1208..1333, 1212..1319, 1340..1510, 1434..1505,		

1505..1672, 1533..1649, 1763..1897, 1779..1898

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	1277	End	1675
GI	none	Score	60
Exons	1277..1510, 1341..1442, 1511..1675		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	1625
GI	3063445	Score	1405
Exons	1..1625		
GI Descrip.	(AC003981) F22013.7 [Arabidopsis thaliana]		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	1454
GI	none	Score	111
Exons	3..308, 3..308, 6..314, 6..116, 6..308, 6..308, 69..476, 141..548, 210..386, 213..620, 283..657, 355..669, 360..977, 366..650, 402..620, 417..668, 423..836, 495..872, 564..1244, 639..1010, 717..1124, 717..1379, 717..917, 717..1316, 789..1196, 819..1010, 861..1385, 903..1124, 933..1340, 957..1214, 1047..1289, 1071..1385, 1072..1224, 1077..1418, 1077..1376, 1146..1319, 1149..1418, 1149..1403, 1239..1379, 1242..1454		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	1403
GI	none	Score	60
Exons	3..281, 3..308, 3..110, 54..308, 57..539, 59..157, 138..383, 195..467, 247..756, 282..572, 355..600, 355..801, 360..755, 366..668, 366..623, 414..668, 427..837, 429..899, 501..971, 564..836, 627..911, 646..807, 717..1187, 717..971, 771..1010, 777..956, 833..937, 843..962, 849..962, 861..1334, 895..1224, 915..1187, 924..1403, 925..1167, 1006..1161, 1059..1361, 1074..1292, 1078..1224, 1092..1220, 1092..1187, 1149..1403, 1288..1383		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1412
GI	none	Score	75
Exons	3..116, 6..416, 6..308, 6..308, 6..302, 6..239, 36..308, 69..314, 282..668, 360..668, 360..548, 360..485, 366..959, 399..1094, 423..821, 450..1172, 459..578, 573..986, 639..1010,		

646..801, 711..1316, 717..1133, 747..866, 759..1403, 786..1196,
861..1268, 933..1340, 957..1082, 978..1412, 1036..1176,
1074..1403, 1074..1403, 1113..1223, 1185..1298

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.gs	Method	GENSCAN
Start	16	End	1619
GI	none	Score	.88
Exons	16..1619		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.gp	Method	AAT/GAP
Start	1346	End	1563
GI	568953	Score	424
Exons	1346..1563		

Seq. No.	6264	Seq. ID	OJ000118_20.0222.C14
Gene No.	13162	Strand	+
Start	924	End	3364
Name	OJ000118_20.0222.C14.o1.gs	Method	GENSCAN
Start	924	End	3364
GI	none	Score	.64
Exons	924..979, 1062..1109, 2678..2834, 3346..3364		

Seq. No.	6264	Seq. ID	OJ000118_20.0222.C14
Gene No.	13162	Strand	+
Start	924	End	3364
Name	OJ000118_20.0222.C14.o1.gp	Method	AAT/GAP
Start	1434	End	1502
GI	2312838	Score	74
Exons	1434..1502		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13163	Strand	+
Start	70	End	1670
Name	OJ000118_20.0222.C15.o1.gs	Method	GENSCAN
Start	70	End	1670
GI	none	Score	.49
Exons	70..141, 194..363, 388..448, 1566..1670		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13164	Strand	+
Start	2431	End	3190
Name	OJ000118_20.0222.C15.o2.gs	Method	GENSCAN
Start	2431	End	3190
GI	none	Score	.6
Exons	2431..2517, 2618..3190		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13164	Strand	+
Start	2431	End	3190

Name	OJ000118_20.0222.C15.o1.np	Method	AAT/NAP
Start	2827	End	3152
GI	2959732	Score	269
Exons	2827..3152		
GI Descrip.	(Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] gi 4895246 gb AAD32831.1 AC007659_13 (AC007659) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	2899	End	3130
GI	none	Score	298
Exons	2899..3084, 2900..3130		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	2899	End	3100
GI	none	Score	282
Exons	2899..3093, 2900..3100		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	2900	End	3100
GI	none	Score	287
Exons	2900..3100, 2902..3084		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o3.gs	Method	GENSCAN
Start	3874	End	4949
GI	none	Score	.54
Exons	3874..3920, 4143..4323, 4839..4949		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13166	Strand	+
Start	1	End	2118
Name	OJ000118_20.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	2109
GI	6714316	Score	502
Exons	1..67, 728..808, 893..1008, 1604..2109		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13166	Strand	+
Start	1	End	2118
Name	OJ000118_20.0222.C16.o1.gs	Method	GENSCAN
Start	893	End	2118
GI	none	Score	.66
Exons	893..1008, 1604..2118		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13167	Strand	+
Start	22891	End	24028
Name	OJ000118_20.0222.C16.o4.gs	Method	GENSCAN
Start	22891	End	24028
GI	none	Score	.98
Exons	22891..23272, 23360..23521, 23997..24028		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13168	Strand	-
Start	2559	End	5348
Name	OJ000118_20.0222.C16.o2.np	Method	AAT/NAP
Start	2556	End	5348
GI	6862925	Score	1244
Exons	2556..4700, 5279..5348		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13168	Strand	-
Start	2559	End	5348
Name	OJ000118_20.0222.C16.o2.gs	Method	GENSCAN
Start	2559	End	4730
GI	none	Score	.99
Exons	2559..4730		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	728	End	1746
GI	none	Score	116
Exons	728..808, 732..809, 897..1010, 905..1009, 1602..1745, 1603..1746		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	732	End	2109
GI	none	Score	109
Exons	732..809, 906..1031, 1603..1977, 1633..1986, 1992..2060, 1993..2109		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.tc	Method	TBLASTX:Cress
Start	732	End	1683
GI	none	Score	120
Exons	732..809, 749..808, 893..1009, 894..1010, 1600..1683		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	1605	End	1884
GI	none	Score	222

Exons 1605..1883, 1607..1861, 1632..1880, 1633..1884

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o3.tc Method TBLASTX:Cress
Start 1683 End 2076
GI none Score 65
Exons 1683..1799, 1683..1787, 1684..1950, 1684..1923, 1893..1976,
1957..1977, 2005..2076

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o4.tm Method TBLASTX:Maize
Start 3693 End 3968
GI none Score 128
Exons 3693..3944, 3696..3968, 3697..3957

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o2.tc Method TBLASTX:Cress
Start 4356 End 4583
GI none Score 191
Exons 4356..4583, 4357..4569, 4380..4571

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o3.np Method AAT/NAP
Start 5710 End 17777
GI 4512703 Score 1334
Exons 5710..5739, 6617..6688, 6772..6879, 7067..7201, 7936..7986,
8747..8821, 9990..10081, 10171..10348, 10440..10533,
10718..11221, 11357..11559, 11598..11698, 11965..12024,
12800..12891, 13086..13260, 13899..13997, 14028..14124,
17690..17777

GI Descrip. (AC006569) unknown protein [Arabidopsis thaliana]

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o1.gp Method AAT/GAP
Start 6015 End 7079
GI LIB3434-032-P1-K1-B3 Score 991
Exons 6015..6175, 6623..6688, 6772..7079
GI Descrip. '4512698/gb|AAD21751.1| 3.0e-35 (AC006569) hypothetical protein
[Arabidopsis thaliana]'

Seq. No. 6266 Seq. ID OJ000118_20.0222.C16
Gene No. 13169 Strand -
Start 5710 End 19123
Name OJ000118_20.0222.C16.o4.ts Method TBLASTX:Soybean
Start 6110 End 8979
GI none Score 65
Exons 6110..6181, 6612..6689, 6614..6691, 6766..6885, 6770..6898,

7067..7204, 7933..8004, 8744..8821, 8745..8822, 8895..8966,
8929..8979

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o5.tc	Method	TBLASTX:Cress
Start	6612	End	7204
GI	none	Score	72
Exons	6612..6689, 6614..6691, 6766..6885, 6770..6898, 7064..7204		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	8783	End	10307
GI	none	Score	74
Exons	8783..8821, 8891..8977, 8892..8978, 8894..8989, 8929..8979, 9987..10085, 9988..10077, 9989..10084, 10148..10306, 10151..10297, 10162..10299, 10164..10307		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o6.tm	Method	TBLASTX:Maize
Start	10308	End	10887
GI	none	Score	69
Exons	10308..10346, 10310..10345, 10439..10492, 10440..10508, 10688..10858, 10718..10885, 10723..10887		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	11134	End	13125
GI	none	Score	99
Exons	11134..11229, 11137..11226, 11347..11559, 11349..11585, 11357..11557, 11358..11558, 11359..11559, 11648..11707, 11652..11702, 11654..11707, 11956..12027, 11963..12043, 11965..12027, 12798..12884, 12800..12886, 12801..12884, 13054..13122, 13054..13125		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.np	Method	AAT/NAP
Start	16137	End	19123
GI	2980806	Score	560
Exons	16137..16174, 17998..19123		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o5.tm	Method	TBLASTX:Maize
Start	17867	End	18250
GI	none	Score	59

Exons 17867..18139, 17895..18014, 18063..18125, 18170..18250

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	17886	End	18311
GI	none	Score	73
Exons	17886..18119, 17894..18142, 18170..18310, 18174..18311		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	17903	End	18709
GI	none	Score	65
Exons	17903..18142, 17907..18119, 18170..18340, 18180..18341, 18569..18709		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.ts	Method	TBLASTX:Soybean
Start	18503	End	18793
GI	none	Score	56
Exons	18503..18610, 18504..18611, 18629..18793, 18630..18791		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13170	Strand	-
Start	23137	End	23540
Name	OJ000118_20.0222.C16.o2.tw	Method	TBLASTX:Wheat
Start	23137	End	23540
GI	none	Score	64
Exons	23137..23220, 23140..23247, 23227..23274, 23349..23540, 23356..23517		

Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	1295	End	1559
GI	none	Score	202
Exons	1295..1546, 1308..1559		

Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	1616
GI	none	Score	121
Exons	1305..1463, 1461..1616		

Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.gs	Method	GENSCAN
Start	1395	End	2071

GI	none	Score	.68
Exons	1395..2071		
Seq. No.	6268	Seq. ID	OJ000118_20.0222.C18
Gene No.	13172	Strand	-
Start	277	End	919
Name	OJ000118_20.0222.C18.o1.gs	Method	GENSCAN
Start	277	End	919
GI	none	Score	.95
Exons	277..349, 546..919		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.gs	Method	GENSCAN
Start	5115	End	8795
GI	none	Score	.73
Exons	5115..5190, 5297..5547, 5740..5952, 6226..6323, 6440..6527, 6622..6879, 7920..7952, 8081..8158, 8283..8451, 8535..8617, 8704..8795		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.np	Method	AAT/NAP
Start	5443	End	9024
GI	4105798	Score	597
Exons	5443..5516, 6440..6527, 6622..6681, 7920..7952, 8081..8158, 8283..8326, 8411..8451, 8535..8617, 8704..8795, 8879..9024		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.gp	Method	AAT/GAP
Start	8699	End	8930
GI	LIB3432-009-P1-K1-C1	Score	221
Exons	8699..8795, 8879..8930		
GI Descrip.	'4105798 4.0e-39 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.gs	Method	GENSCAN
Start	7	End	3822
GI	none	Score	.5
Exons	7..236, 1451..1529, 1600..1691, 3130..3306, 3816..3822		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	976	End	3214
GI	none	Score	138
Exons	976..1164, 985..1167, 989..1168, 992..1174, 996..1175, 1261..1359, 1262..1360, 1264..1374, 1449..1511, 1450..1512, 1451..1513, 1597..1692, 1600..1680, 1605..1691, 3131..3214		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.ol.tw	Method	TBLASTX:Wheat
Start	982	End	1668
GI	none	Score	177
Exons	982..1167, 992..1168, 993..1175, 1260..1340, 1261..1359, 1262..1360, 1262..1360, 1449..1520, 1450..1530, 1451..1531, 1452..1532, 1597..1668, 1600..1668		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.ol.np	Method	AAT/NAP
Start	1057	End	3306
GI	6681330	Score	353
Exons	1057..1167, 1261..1358, 1451..1529, 1600..1691, 3130..3306		
GI Descrip.	(AC015985) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.ol.gp	Method	AAT/GAP
Start	1132	End	3409
GI	5758_1.R1084	Score	975
Exons	1132..1167, 1261..1358, 1451..1529, 1600..1691, 3130..3409		
GI Descrip.	'4972778/gb AAD34784.1 3.0e-10 (AF132196) unknown [Drosophila melanogaster]'		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	-
Start	6243	End	8930
Name	OJ000118_20.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	6243	End	8930
GI	none	Score	.46
Exons	6243..6329, 6244..6336, 6441..6533, 6446..6550, 6619..6684, 6624..6683, 7883..7954, 7917..7955, 7917..7955, 8080..8160, 8081..8164, 8249..8326, 8283..8327, 8408..8452, 8409..8453, 8533..8616, 8534..8617, 8540..8617, 8703..8783, 8704..8790, 8880..8930, 8882..8929		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	-
Start	6243	End	8930
Name	OJ000118_20.0222.C19.ol.tc	Method	TBLASTX:Cress
Start	6437	End	8745
GI	none	Score	171
Exons	6437..6532, 6438..6533, 6619..6684, 7914..7955, 8080..8157, 8081..8164, 8283..8324, 8412..8450, 8537..8617, 8704..8745		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	-
Start	6243	End	8930
Name	OJ000118_20.0222.C19.ol.ts	Method	TBLASTX:Soybean
Start	6440	End	8930
GI	none	Score	163

Exons 6440..6526, 6441..6527, 6619..6684, 7917..7955, 8080..8157, 8081..8164, 8283..8327, 8408..8452, 8409..8453, 8534..8617, 8534..8617, 8703..8783, 8704..8796, 8877..8930

Seq. No. 6269 Seq. ID OJ000118_20.0222.C19
Gene No. 13175 Strand
Start 6243 End 8930
Name OJ000118_20.0222.C19.o2.tw Method TBLASTX:Wheat
Start 8301 End 8918
GI none Score 46
Exons 8301..8327, 8408..8452, 8409..8453, 8534..8617, 8704..8796, 8877..8918

Seq. No. 6270 Seq. ID OJ000118_20.0222.C20
Gene No. 13176 Strand +
Start 115 End 246
Name OJ000118_20.0222.C20.o1.gs Method GENSCAN
Start 115 End 246
GI none Score .54
Exons 115..246

Seq. No. 6270 Seq. ID OJ000118_20.0222.C20
Gene No. 13177 Strand -
Start 1 End 262
Name OJ000118_20.0222.C20.o1.np Method AAT/NAP
Start 1 End 262
GI 3236261 Score 136
Exons 1..262
GI Descrip. (AC004684) putative RING zinc finger protein [Arabidopsis thaliana]

Seq. No. 6270 Seq. ID OJ000118_20.0222.C20
Gene No. 13177 Strand -
Start 1 End 262
Name OJ000118_20.0222.C20.o1.tc Method TBLASTX:Cress
Start 38 End 201
GI none Score 68
Exons 38..199, 43..201, 43..201

Seq. No. 6271 Seq. ID OJ000118_12.0215.C1
Gene No. 13178 Strand +
Start 72 End 160
Name OJ000118_12.0215.C1.o1.gs Method GENSCAN
Start 72 End 160
GI none Score .93
Exons 72..160

Seq. No. 6272 Seq. ID OJ000118_12.0215.C3
Gene No. 13179 Strand -
Start 1 End 1920
Name OJ000118_12.0215.C3.o1.np Method AAT/NAP
Start 1 End 961
GI 479357 Score 546
Exons 1..670, 758..961
GI Descrip. hypothetical protein 612 - maize transposon MuA2
gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]

Seq. No. 6272
 Gene No. 13179
 Start 1
 Name OJ000118_12.0215.C3.o2.tm
 Start 2
 GI none
 Exons 2..148, 3..137, 8..145

Seq. ID OJ000118_12.0215.C3
 Strand -
 End 1920
 Method TBLASTX:Maize
 End 148
 Score 145

Seq. No. 6272
 Gene No. 13179
 Start 1
 Name OJ000118_12.0215.C3.o1.gs
 Start 35
 GI none
 Exons 35..237, 475..670, 761..907,

Seq. ID OJ000118_12.0215.C3
 Strand -
 End 1920
 Method GENSCAN
 End 1920
 Score .55
 965..1170, 1457..1571, 1806..1920

Seq. No. 6272
 Gene No. 13179
 Start 1
 Name OJ000118_12.0215.C3.o1.tm
 Start 150
 GI none
 Exons 150..437, 152..436

Seq. ID OJ000118_12.0215.C3
 Strand -
 End 1920
 Method TBLASTX:Maize
 End 437
 Score 250

Seq. No. 6273
 Gene No. 13180
 Start 1
 Name OJ000118_12.0215.C6.o1.np
 Start 1
 GI 5852180
 Exons 1..95, 815..868, 1874..1993,
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. ID OJ000118_12.0215.C6
 Strand +
 End 3022
 Method AAT/NAP
 End 3022
 Score 394

Seq. No. 6273
 Gene No. 13180
 Start 1
 Name OJ000118_12.0215.C6.o1.gs
 Start 815
 GI none
 Exons 815..868, 965..1055

Seq. ID OJ000118_12.0215.C6
 Strand +
 End 3022
 Method GENSCAN
 End 1055
 Score .51

Seq. No. 6273
 Gene No. 13181
 Start 1
 Name OJ000118_12.0215.C6.o2.np
 Start 1
 GI 1491621
 Exons 1..69, 1896..3022

Seq. ID OJ000118_12.0215.C6
 Strand -
 End 3022
 Method AAT/NAP
 End 3022
 Score 168

GI Descrip. (Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097|
 (AJ004801) very large virion protein (tegument) [Bovine
 herpesvirus type 1.1]

Seq. No. 6273
 Gene No. 13181
 Start 1
 Name OJ000118_12.0215.C6.o2.gs
 Start 1966

Seq. ID OJ000118_12.0215.C6
 Strand -
 End 3022
 Method GENSCAN
 End 2438

GI none
Exons 1966..2082, 2199..2438

Score .56

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o1.gs
Start 86
GI none
Exons 86..598, 626..1321

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method GENSCAN
End 1321
Score .73

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o1.np
Start 89
GI 4680179
Exons 89..1030, 1064..1324

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method AAT/NAP
End 1324
Score 1669

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o2.tw
Start 134
GI none
Exons 134..466, 198..467

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method TBLASTX:Wheat
End 467
Score 137

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o1.tm
Start 335
GI none
Exons 335..754, 339..749, 752..913, 759..905

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method TBLASTX:Maize
End 913
Score 177

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o1.tw
Start 467
GI none
Exons 467..1093, 470..721, 588..1037, 1064..1126

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method TBLASTX:Wheat
End 1126
Score 81

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o3.tm
Start 914
GI none
Exons 914..1063, 942..1064

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method TBLASTX:Maize
End 1064
Score 75

Seq. No. 6274
Gene No. 13182
Start 86
Name OJ000118_12.0215.C7.o2.tm
Start 1067

Seq. ID OJ000118_12.0215.C7
Strand -
End 1324
Method TBLASTX:Maize
End 1321

GI	none	Score	53
Exons	1067..1321, 1075..1212, 1077..1319		
Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.ts	Method	TBLASTX:Soybean
Start	1084	End	1321
GI	none	Score	152
Exons	1084..1278, 1085..1321, 1086..1313		
Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o3.tw	Method	TBLASTX:Wheat
Start	1133	End	1324
GI	none	Score	177
Exons	1133..1321, 1134..1322, 1139..1324		
Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.np	Method	AAT/NAP
Start	1	End	1542
GI	4680179	Score	2159
Exons	1..1542		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o4.tw	Method	TBLASTX:Wheat
Start	1	End	308
GI	none	Score	78
Exons	1..108, 5..109, 97..300, 105..308		
Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.tw	Method	TBLASTX:Wheat
Start	309	End	812
GI	none	Score	350
Exons	309..812, 343..765		
Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	326	End	741
GI	none	Score	165
Exons	326..574, 375..740, 387..740, 391..741		
Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.gp	Method	AAT/GAP
Start	415	End	1039

GI 3548944 Score 1089
 Exons 415..1039
 GI Descrip. 4512237/dbj|BAA75235.1| 2.0e-89 (AB014746) polyprotein [Hordeum vulgare]

Seq. No. 6275 Seq. ID OJ000118_12.0215.C9
 Gene No. 13183 Strand -
 Start 1 End 1542
 Name OJ000118_12.0215.C9.o2.ts Method TBLASTX:Soybean
 Start 561 End 803
 GI none Score 81
 Exons 561..803, 562..789

Seq. No. 6275 Seq. ID OJ000118_12.0215.C9
 Gene No. 13183 Strand -
 Start 1 End 1542
 Name OJ000118_12.0215.C9.o2.tm Method TBLASTX:Maize
 Start 777 End 1277
 GI none Score 70
 Exons 777..1091, 786..929, 898..951, 1098..1277, 1153..1269

Seq. No. 6275 Seq. ID OJ000118_12.0215.C9
 Gene No. 13183 Strand -
 Start 1 End 1542
 Name OJ000118_12.0215.C9.o3.tw Method TBLASTX:Wheat
 Start 813 End 1062
 GI none Score 215
 Exons 813..1061, 829..1062

Seq. No. 6275 Seq. ID OJ000118_12.0215.C9
 Gene No. 13183 Strand -
 Start 1 End 1542
 Name OJ000118_12.0215.C9.o1.ts Method TBLASTX:Soybean
 Start 818 End 1223
 GI none Score 57
 Exons 818..961, 828..1187, 829..1104, 1153..1185, 1191..1223

Seq. No. 6275 Seq. ID OJ000118_12.0215.C9
 Gene No. 13183 Strand -
 Start 1 End 1542
 Name OJ000118_12.0215.C9.o2.tw Method TBLASTX:Wheat
 Start 1065 End 1427
 GI none Score 116
 Exons 1065..1259, 1067..1255, 1075..1284, 1084..1278, 1089..1286, 1290..1373, 1294..1374, 1356..1427

Seq. No. 6276 Seq. ID OJ000118_12.0215.C10
 Gene No. 13184 Strand +
 Start 1221 End 9291
 Name OJ000118_12.0215.C10.o2.np Method AAT/NAP
 Start 1221 End 2416
 GI 4680185 Score 209
 Exons 1221..1333, 1769..1860, 2178..2416
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 6276 Seq. ID OJ000118_12.0215.C10
 Gene No. 13184 Strand +

Start	1221	End	9291
Name	OJ000118_12.0215.C10.o2.gs	Method	GENSCAN
Start	1682	End	9291
GI	none	Score	.59
Exons	1682..1776, 1832..2027, 2058..2235, 2247..2407, 3447..3714, 4481..4501, 5147..5334, 6498..6978, 7251..7340, 7464..7648, 7905..8106, 8335..8454, 8980..9096, 9182..9291		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13185	Strand	+
Start	16577	End	17834
Name	OJ000118_12.0215.C10.o4.gs	Method	GENSCAN
Start	16577	End	17834
GI	none	Score	.75
Exons	16577..16581, 17306..17453, 17571..17834		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13186	Strand	+
Start	33803	End	36125
Name	OJ000118_12.0215.C10.o7.gs	Method	GENSCAN
Start	33803	End	36125
GI	none	Score	.63
Exons	33803..34171, 34271..34750, 35020..35047, 35087..35669, 35729..36125		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13186	Strand	+
Start	33803	End	36125
Name	OJ000118_12.0215.C10.o6.np	Method	AAT/NAP
Start	35185	End	35903
GI	2522230	Score	330
Exons	35185..35903		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13187	Strand	-
Start	1	End	1504
Name	OJ000118_12.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	4680179	Score	1089
Exons	1..382, 416..1504		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13188	Strand	-
Start	8610	End	9203
Name	OJ000118_12.0215.C10.o1.gp	Method	AAT/GAP
Start	8610	End	9203
GI	3761363	Score	855
Exons	8610..9203		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13189	Strand	-
Start	9162	End	15272

Name	OJ000118_12.0215.C10.o3.np	Method	AAT/NAP
Start	9162	End	15272
GI	6063554	Score	204
Exons	9162..9335, 9971..10000, 11258..11473, 11763..11957, 15247..15272		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13189	Strand	-
Start	9162	End	15272
Name	OJ000118_12.0215.C10.o3.gs	Method	GENSCAN
Start	10822	End	14670
GI	none	Score	.7
Exons	10822..10974, 11071..11140, 11299..11621, 12666..12686, 13984..14117, 14182..14463, 14598..14670		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13190	Strand	-
Start	17301	End	17388
Name	OJ000118_12.0215.C10.o2.gp	Method	AAT/GAP
Start	17301	End	17388
GI	LIB3432-008-P1-K1-F11	Score	135
Exons	17301..17388		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.tw	Method	TBLASTX:Wheat
Start	98	End	475
GI	none	Score	86
Exons	98..352, 159..350, 440..475		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.tm	Method	TBLASTX:Maize
Start	713	End	1018
GI	none	Score	81
Exons	713..1018, 912..1004		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.tw	Method	TBLASTX:Wheat
Start	899	End	1261
GI	none	Score	147
Exons	899..1261, 900..1259		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.tm	Method	TBLASTX:Maize
Start	26598	End	27997

GI	none	Score	66
Exons	26598..26732, 26598..26708, 26607..26732, 26631..26714, 26631..26702, 26631..26714, 26733..26864, 26736..26870, 26760..26858, 26760..26888, 26787..26870, 26788..26862, 26889..27029, 26892..27035, 26907..27035, 26907..27035, 26916..27056, 26916..27056, 26922..27074, 26922..27071, 27086..27241, 27095..27241, 27104..27256, 27107..27247, 27128..27247, 27128..27271, 27128..27256, 27134..27274, 27275..27391, 27275..27382, 27299..27391, 27301..27399, 27311..27376, 27729..27839, 27729..27833, 27748..27837, 27756..27839, 27899..27955, 27905..27997		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.np	Method	AAT/NAP
Start	28073	End	32645
GI	4680203	Score	1967
Exons	28073..29010, 29286..29514, 29674..31329, 32542..32645		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o6.gs	Method	GENSCAN
Start	28099	End	31444
GI	none	Score	.48
Exons	28099..29017, 29232..29304, 29509..29557, 29734..29822, 29853..30182, 30318..30859, 31206..31329, 31432..31444		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tw	Method	TBLASTX:Wheat
Start	28153	End	29402
GI	none	Score	75
Exons	28153..28272, 28273..28377, 28274..28378, 28396..28449, 28449..28493, 28450..28500, 28516..28647, 28516..28656, 28526..28657, 28654..28854, 28664..28801, 28859..29158, 28861..29160, 28870..29160, 29163..29402, 29166..29255, 29230..29358		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.ts	Method	TBLASTX:Soybean
Start	28216	End	28464
GI	none	Score	95
Exons	28216..28464, 28280..28462		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tc	Method	TBLASTX:Cress
Start	28694	End	29116
GI	none	Score	44
Exons	28694..28801, 28696..28854, 28859..29116, 28861..29112		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tm	Method	TBLASTX:Maize
Start	29047	End	29361
GI	none	Score	77
Exons	29047..29160, 29048..29161, 29163..29360, 29230..29361		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.tm	Method	TBLASTX:Maize
Start	29537	End	29761
GI	none	Score	81
Exons	29537..29761, 29552..29746		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.ts	Method	TBLASTX:Soybean
Start	29842	End	30076
GI	none	Score	72
Exons	29842..30075, 29851..30051, 29915..30076		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	29911	End	30360
GI	none	Score	51
Exons	29911..30105, 29914..30105, 29927..30130, 30112..30354, 30128..30355, 30142..30360		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.tw	Method	TBLASTX:Wheat
Start	29950	End	30294
GI	none	Score	74
Exons	29950..30105, 29951..30199, 30149..30244, 30151..30246, 30253..30294		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tc	Method	TBLASTX:Cress
Start	30199	End	30546
GI	none	Score	105
Exons	30199..30546, 30200..30352, 30392..30541		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.ts	Method	TBLASTX:Soybean
Start	30280	End	30547
GI	none	Score	125

Exons 30280..30543, 30281..30547

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tw	Method	TBLASTX:Wheat
Start	30295	End	30975
GI	none	Score	91
Exons	30295..30420, 30427..30546, 30440..30550, 30559..30975, 30686..30886		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	30566	End	30850
GI	none	Score	198
Exons	30566..30850, 30568..30849		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13192	Strand	-
Start	35224	End	35595
Name	OJ000118_12.0215.C10.o6.tw	Method	TBLASTX:Wheat
Start	35224	End	35595
GI	none	Score	112
Exons	35224..35367, 35410..35595		

Seq. No.	6277	Seq. ID	OJ000118_12.0215.C11
Gene No.	13193	Strand	+
Start	1	End	302
Name	OJ000118_12.0215.C11.o1.np	Method	AAT/NAP
Start	1	End	302
GI	6721515	Score	157
Exons	1..302		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	6277	Seq. ID	OJ000118_12.0215.C11
Gene No.	13193	Strand	+
Start	1	End	302
Name	OJ000118_12.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	236
GI	none	Score	61
Exons	3..50, 42..236, 89..235		

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13194	Strand	+
Start	174	End	419
Name	OJ000118_12.0215.C12.o1.gs	Method	GENSCAN
Start	174	End	419
GI	none	Score	.99
Exons	174..419		

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13195	Strand	-
Start	1390	End	1516
Name	OJ000118_12.0215.C12.o1.gp	Method	AAT/GAP
Start	1345	End	1516

GI LIB3433-017-Q6-K1-B5 Score 320
 Exons 1345..1516
 GI Descrip. '1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon
 p-SINE1-r31 gene'

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13195	Strand	-
Start	1390	End	1516
Name	OJ000118_12.0215.C12.o2.gs	Method	GENSCAN
Start	1390	End	1515
GI	none	Score	.94
Exons	1390..1515		

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13196	Strand	-
Start	1427	End	1764
Name	OJ000118_12.0215.C12.o1.np	Method	AAT/NAP
Start	1427	End	1764
GI	1780757	Score	78
Exons	1427..1530, 1737..1764		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi 6587807 gb AAF18498.1 AC010924_11 (AC010924) Identical to gb Y10291 GAG1 protein from Arabidopsis thaliana.		

Seq. No.	6279	Seq. ID	OJ000118_12.0215.C13
Gene No.	13197	Strand	+
Start	1066	End	1644
Name	OJ000118_12.0215.C13.o2.gs	Method	GENSCAN
Start	1066	End	1644
GI	none	Score	.96
Exons	1066..1644		

Seq. No.	6279	Seq. ID	OJ000118_12.0215.C13
Gene No.	13198	Strand	-
Start	270	End	440
Name	OJ000118_12.0215.C13.o1.gs	Method	GENSCAN
Start	270	End	440
GI	none	Score	.53
Exons	270..440		

Seq. No.	6280	Seq. ID	OJ000118_12.0215.C14
Gene No.	13199	Strand	+
Start	400	End	1979
Name	OJ000118_12.0215.C14.o1.gs	Method	GENSCAN
Start	400	End	1979
GI	none	Score	.62
Exons	400..541, 1849..1979		

Seq. No.	6280	Seq. ID	OJ000118_12.0215.C14
Gene No.	13200	Strand	-
Start	2599	End	3146
Name	OJ000118_12.0215.C14.o2.gs	Method	GENSCAN
Start	2599	End	3146
GI	none	Score	.42
Exons	2599..2833, 2960..3146		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15
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Gene No.	13201	Strand	+
Start	1678	End	1877
Name	OJ000118_12.0215.C15.o3.gp	Method	AAT/GAP
Start	1678	End	1877
GI	2227_1.R1084	Score	298
Exons	1678..1877		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15
Gene No.	13202	Strand	-
Start	1	End	424
Name	OJ000118_12.0215.C15.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	27195_1.R1084	Score	608
Exons	1..73, 174..424		
GI Descrip.	'3738326 4.0e-09 (AC005170) putative nodulin [Arabidopsis thaliana]'		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15
Gene No.	13203	Strand	-
Start	1000	End	1078
Name	OJ000118_12.0215.C15.o2.gp	Method	AAT/GAP
Start	1000	End	1078
GI	38012_1.R1084	Score	93
Exons	1000..1078		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.np	Method	AAT/NAP
Start	1	End	3406
GI	6063554	Score	275
Exons	1..135, 1188..1461, 1522..1600, 1753..1892, 2537..2567, 3237..3406		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.gs	Method	GENSCAN
Start	450	End	12321
GI	none	Score	.72
Exons	450..548, 1560..1903, 1957..2034, 2188..2256, 3176..3312, 3895..4127, 8115..8164, 9209..9333, 10198..10400, 10455..10619, 10784..10975, 11036..11625, 11706..12321		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.np	Method	AAT/NAP
Start	8743	End	12618
GI	6466937	Score	762

Exons 8743..8790, 10521..12618
 GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o3.tm	Method	TBLASTX:Maize
Start	10467	End	10745
GI	none	Score	245
Exons	10467..10745, 10476..10742, 10523..10744		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o4.tm	Method	TBLASTX:Maize
Start	10895	End	11226
GI	none	Score	77
Exons	10895..10990, 10895..10966, 11078..11218, 11092..11226		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.tw	Method	TBLASTX:Wheat
Start	11857	End	12300
GI	none	Score	151
Exons	11857..12084, 11974..12081, 12076..12300, 12088..12255		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.tm	Method	TBLASTX:Maize
Start	11881	End	12354
GI	none	Score	203
Exons	11881..12084, 11892..12077, 12070..12354, 12075..12260		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.ts	Method	TBLASTX:Soybean
Start	12286	End	12618
GI	none	Score	284
Exons	12286..12618, 12405..12566		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.tw	Method	TBLASTX:Wheat
Start	12349	End	12618
GI	none	Score	219
Exons	12349..12618		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.tm	Method	TBLASTX:Maize
Start	12373	End	12618

GI	none	Score	246
Exons	12373..12618, 12402..12587		
Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.np	Method	AAT/NAP
Start	1	End	1690
GI	6466937	Score	784
Exons	1..1282, 1655..1690		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o2.ts	Method	TBLASTX:Soybean
Start	15	End	261
GI	none	Score	189
Exons	15..164, 16..261		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.tw	Method	TBLASTX:Wheat
Start	16	End	456
GI	none	Score	230
Exons	16..456		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o2.tm	Method	TBLASTX:Maize
Start	18	End	477
GI	none	Score	338
Exons	18..164, 19..477, 121..405, 282..443		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.gs	Method	GENSCAN
Start	64	End	1311
GI	none	Score	.92
Exons	64..231, 340..681, 748..1311		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1074
GI	none	Score	259
Exons	735..1073, 754..1074		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.tm	Method	TBLASTX:Maize

Start 742
GI none
Exons 742..1272, 813..1265

End 1272
Score 439

Seq. No. 6283
Gene No. 13205
Start 1
Name OJ000118_12.0215.C17.o2.tw
Start 922
GI none
Exons 922..1269

Seq. ID OJ000118_12.0215.C17
Strand +
End 1690
Method TBLASTX:Wheat
End 1269
Score 226

Seq. No. 6284
Gene No. 13206
Start 132
Name OJ000118_12.0215.C18.o1.gs
Start 132
GI none
Exons 132..449, 1136..1239, 1374..1459, 2032..2140, 2263..2362, 2575..2616, 3129..3225, 3326..3481, 3581..4068

Seq. ID OJ000118_12.0215.C18
Strand +
End 4379
Method GENSCAN
End 4068
Score .57

Seq. No. 6284
Gene No. 13206
Start 132
Name OJ000118_12.0215.C18.o1.np
Start 1852
GI 4680203
Exons 1852..1934, 3129..4379
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. ID OJ000118_12.0215.C18
Strand +
End 4379
Method AAT/NAP
End 4379
Score 1378

Seq. No. 6284
Gene No. 13206
Start 132
Name OJ000118_12.0215.C18.o1.gp
Start 3133
GI 342_1.R1084
Exons 3133..4379
GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. ID OJ000118_12.0215.C18
Strand +
End 4379
Method AAT/GAP
End 4379
Score 1919

Seq. No. 6284
Gene No. 13206
Start 132
Name OJ000118_12.0215.C18.o1.tw
Start 3427
GI none
Exons 3427..3579, 3503..3565, 3562..3807, 3570..3806, 3571..3828, 3573..3815, 3581..3823

Seq. ID OJ000118_12.0215.C18
Strand +
End 4379
Method TBLASTX:Wheat
End 3828
Score 99

Seq. No. 6284
Gene No. 13206
Start 132
Name OJ000118_12.0215.C18.o1.ts
Start 3595
GI none
Exons 3595..3810, 3603..3809, 3820..3885

Seq. ID OJ000118_12.0215.C18
Strand +
End 4379
Method TBLASTX:Soybean
End 3885
Score 217

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o2.tw	Method	TBLASTX:Wheat
Start	4041	End	4375
GI	none	Score	146
Exons	4041..4163, 4042..4152, 4042..4164, 4151..4222, 4154..4219, 4155..4223, 4219..4365, 4220..4369, 4223..4375		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.tm	Method	TBLASTX:Maize
Start	4042	End	4300
GI	none	Score	114
Exons	4042..4152, 4042..4170, 4154..4222, 4155..4223, 4220..4300		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13207	Strand	+
Start	1	End	1838
Name	OJ000118_12.0215.C19.o1.np	Method	AAT/NAP
Start	1	End	1279
GI	6742729	Score	1883
Exons	1..1279		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13207	Strand	+
Start	1	End	1838
Name	OJ000118_12.0215.C19.o1.gs	Method	GENSCAN
Start	801	End	1838
GI	none	Score	.63
Exons	801..1838		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13208	Strand	-
Start	1457	End	1901
Name	OJ000118_12.0215.C19.o1.gp	Method	AAT/GAP
Start	1457	End	1901
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	1457..1803, 1831..1901		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o2.tw	Method	TBLASTX:Wheat
Start	61	End	470
GI	none	Score	80
Exons	61..111, 62..112, 132..305, 133..351, 379..468, 384..470, 385..468		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tw	Method	TBLASTX:Wheat

Start	471	End	1763
GI	none	Score	149
Exons	471..704, 471..692, 472..705, 479..706, 692..1348, 693..1364, 693..1349, 1357..1398, 1358..1402, 1362..1403, 1406..1501, 1410..1469, 1448..1588, 1449..1589, 1517..1597, 1601..1654, 1602..1682, 1671..1763, 1697..1762		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tm	Method	TBLASTX:Maize
Start	514	End	803
GI	none	Score	147
Exons	514..690, 525..686, 692..802, 693..803		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tc	Method	TBLASTX:Cress
Start	734	End	1182
GI	none	Score	149
Exons	734..1171, 734..1177, 738..1181, 738..1181, 931..1182		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o2.gs	Method	GENSCAN
Start	2918	End	3187
GI	none	Score	.99
Exons	2918..3021, 3039..3187		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13210	Strand	+
Start	262	End	3611
Name	OJ000118_12.0215.C20.o1.gs	Method	GENSCAN
Start	262	End	3611
GI	none	Score	.72
Exons	262..331, 1065..2264, 2360..2588, 2674..3315, 3424..3611		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13210	Strand	+
Start	262	End	3611
Name	OJ000118_12.0215.C20.o1.np	Method	AAT/NAP
Start	828	End	2847
GI	4680204	Score	845
Exons	828..2264, 2360..2847		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13211	Strand	+
Start	4685	End	6761
Name	OJ000118_12.0215.C20.o2.gs	Method	GENSCAN
Start	4685	End	6761
GI	none	Score	.63
Exons	4685..4899, 6599..6761		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
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Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o1.tw	Method	TBLASTX:Wheat
Start	1473	End	1874
GI	none	Score	209
Exons	1473..1709, 1473..1667, 1574..1714, 1704..1874, 1757..1873		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o2.tw	Method	TBLASTX:Wheat
Start	1875	End	2560
GI	none	Score	65
Exons	1875..1955, 2196..2267, 2354..2560, 2356..2544		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o3.gs	Method	GENSCAN
Start	7217	End	7671
GI	none	Score	.68
Exons	7217..7671		

Seq. No.	6287	Seq. ID	OJ000118_12.0215.C21
Gene No.	13213	Strand	+
Start	163	End	6810
Name	OJ000118_12.0215.C21.o1.gs	Method	GENSCAN
Start	163	End	6810
GI	none	Score	.61
Exons	163..739, 863..977, 1006..1132, 1170..1299, 1413..1602, 2621..2687, 4628..4858, 5603..5828, 6773..6810		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13214	Strand	+
Start	6497	End	6742
Name	OJ000118_12.0215.C22.o4.gs	Method	GENSCAN
Start	6497	End	6742
GI	none	Score	.91
Exons	6497..6571, 6629..6742		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o2.np	Method	AAT/NAP
Start	87	End	6067
GI	5091513	Score	1145
Exons	87..112, 2702..3007, 3167..3295, 4026..4849, 5693..6067		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o1.np	Method	AAT/NAP
Start	283	End	508
GI	2664202	Score	78
Exons	283..508		
GI Descrip.	(AJ003217) GT2 [Arabidopsis thaliana]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o1.gs	Method	GENSCAN
Start	284	End	1970
GI	none	Score	.97
Exons	284..436, 482..527, 879..927, 1911..1970		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o2.gs	Method	GENSCAN
Start	3042	End	3203
GI	none	Score	.74
Exons	3042..3203		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o3.gs	Method	GENSCAN
Start	3661	End	6077
GI	none	Score	.76
Exons	3661..4110, 4169..4339, 4362..4935, 5666..5841, 5916..6077		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o5.gs	Method	GENSCAN
Start	6939	End	11078
GI	none	Score	.57
Exons	6939..7268, 7714..7824, 9091..9269, 9391..10217, 10485..10705, 10971..11078		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.gp	Method	AAT/GAP
Start	8340	End	8430
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	8340..8430		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o3.np	Method	AAT/NAP
Start	9191	End	11100
GI	6503300	Score	892
Exons	9191..10217, 10971..11100		
GI Descrip.	(AC011713) Contains PF 01535 Domain of unknown function. [Arabidopsis thaliana]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-

Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.tm	Method	TBLASTX:Maize
Start	9332	End	9991
GI	none	Score	93
Exons	9332..9598, 9548..9736, 9602..9943, 9602..9841, 9608..9922, 9623..9970, 9632..9982, 9746..9991		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.tc	Method	TBLASTX:Cress
Start	9590	End	9988
GI	none	Score	75
Exons	9590..9847, 9593..9943, 9593..9772, 9609..9896, 9665..9865, 9853..9930, 9899..9988		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13217	Strand	+
Start	1	End	736
Name	OJ000118_12.0215.C23.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6721512	Score	79
Exons	1..112, 621..736		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o2.np	Method	AAT/NAP
Start	1567	End	3004
GI	6721558	Score	114
Exons	1567..1697, 2965..3004		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o3.np	Method	AAT/NAP
Start	2036	End	2137
GI	6907087	Score	123
Exons	2036..2137		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o1.gp	Method	AAT/GAP
Start	2601	End	2982
GI	uC-osflcyp033a04b1	Score	643
Exons	2601..2982		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13219	Strand	+
Start	5595	End	5712
Name	OJ000118_12.0215.C23.o6.np	Method	AAT/NAP
Start	5595	End	5712
GI	6721512	Score	83
Exons	5595..5712		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13220	Strand	+
Start	6944	End	7250
Name	OJ000118_12.0215.C23.o2.gp	Method	AAT/GAP
Start	6944	End	7158
GI	LIB3433-017-Q6-K1-B5	Score	343
Exons	6944..7158		
GI Descrip.	'1330273/dbj D85055 RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13220	Strand	+
Start	6944	End	7250
Name	OJ000118_12.0215.C23.o7.np	Method	AAT/NAP
Start	7012	End	7250
GI	6503301	Score	135
Exons	7012..7250		
GI Descrip.	(AC011713) Similar to gb Y10291 highly expressed in proliferating cells protein from Arabidopsis thaliana.		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13221	Strand	-
Start	98	End	689
Name	OJ000118_12.0215.C23.o1.gs	Method	GENSCAN
Start	98	End	689
GI	none	Score	.46
Exons	98..264, 611..689		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o2.gs	Method	GENSCAN
Start	2030	End	4446
GI	none	Score	.68
Exons	2030..2136, 2581..2734, 3650..3885, 4128..4446		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o4.np	Method	AAT/NAP
Start	2529	End	7885
GI	4680186	Score	309
Exons	2529..2734, 3573..3633, 7855..7885		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885

Name	OJ000118_12.0215.C23.o5.np	Method	AAT/NAP
Start	2542	End	4806
GI	6721562	Score	412
Exons	2542..2577, 3686..4229, 4468..4806		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o1.tw	Method	TBLASTX:Wheat
Start	3689	End	4087
GI	none	Score	260
Exons	3689..4087		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o1.tm	Method	TBLASTX:Maize
Start	3851	End	4090
GI	none	Score	192
Exons	3851..4090		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o3.gs	Method	GENSCAN
Start	4973	End	7172
GI	none	Score	.59
Exons	4973..5531, 5576..5649, 6948..7172		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13223	Strand	+
Start	2120	End	3421
Name	OJ000118_07.0215.C1.o1.gs	Method	GENSCAN
Start	2120	End	3406
GI	none	Score	.47
Exons	2120..3406		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13223	Strand	+
Start	2120	End	3421
Name	OJ000118_07.0215.C1.o1.np	Method	AAT/NAP
Start	2339	End	3421
GI	4049341	Score	1173
Exons	2339..3421		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o2.gs	Method	GENSCAN
Start	7052	End	13268
GI	none	Score	.6

Exons

7052..7468, 7551..7661, 8271..8411, 8490..8660, 8760..8964,
9223..9257, 9368..9398, 9597..9736, 9969..10022, 10058..10129,
10265..10448, 11418..11810, 12238..12345, 12683..12767,
12979..13199, 13234..13268

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o1.gp	Method	AAT/GAP
Start	7268	End	8417
GI	2280544	Score	824
Exons	7268..7468, 7551..7661, 8271..8417		
GI Descrip.	2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o3.np	Method	AAT/NAP
Start	7370	End	12537
GI	5441611	Score	124
Exons	7370..7476, 7556..7661, 8268..8387, 8463..8663, 8760..8964, 12463..12537		
GI Descrip.	(AJ388555) hypothetical protein [Canis familiaris]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o2.gp	Method	AAT/GAP
Start	8492	End	9390
GI	20710_1.R1084	Score	1009
Exons	8492..8660, 8760..8964, 9086..9257, 9368..9390		
GI Descrip.	'2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o5.np	Method	AAT/NAP
Start	11273	End	11737
GI	4581120	Score	358
Exons	11273..11737		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o6.np	Method	AAT/NAP
Start	12265	End	13185
GI	6498461	Score	801
Exons	12265..12345, 12570..12656, 12683..12767, 12862..13185		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o7.np	Method	AAT/NAP

Start	13090	End	18110
GI	3461846	Score	754
Exons	13090..13145, 16902..18110		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o4.gs	Method	GENSCAN
Start	16464	End	18331
GI	none	Score	.76
Exons	16464..17384, 17499..18117, 18228..18331		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13225	Strand	+
Start	24904	End	26639
Name	OJ000118_07.0215.C1.o5.gs	Method	GENSCAN
Start	24904	End	26639
GI	none	Score	.54
Exons	24904..24996, 25180..25419, 26475..26639		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13225	Strand	+
Start	24904	End	26639
Name	OJ000118_07.0215.C1.o6.gp	Method	AAT/GAP
Start	25443	End	25744
GI	uC-osflcyp154c08a1	Score	395
Exons	25443..25744		
GI Descrip.	'5701799/emb CAB52175.1 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13226	Strand	+
Start	29424	End	30194
Name	OJ000118_07.0215.C1.o8.np	Method	AAT/NAP
Start	29424	End	30194
GI	4680183	Score	176
Exons	29424..29494, 30105..30194		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13227	Strand	-
Start	15652	End	15855
Name	OJ000118_07.0215.C1.o3.gs	Method	GENSCAN
Start	15652	End	15855
GI	none	Score	.64
Exons	15652..15668, 15717..15855		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13228	Strand	-
Start	16446	End	16700
Name	OJ000118_07.0215.C1.o3.gp	Method	AAT/GAP
Start	16446	End	16700
GI	427569	Score	490
Exons	16446..16700		

Seq. No. 6290
 Gene No. 13229
 Start 22932
 Name OJ000118_07.0215.C1.o4.gp
 Start 22932
 GI none
 Exons 22932..23521

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 23521
 Method AAT/GAP
 End 23521
 Score 1132

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o1.tm
 Start 2380
 GI none
 Exons 2380..2796, 2384..2521, 2585..3028, 2792..3028, 3023..3295, 3061..3258, 3125..3274

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Maize
 End 3295
 Score 231

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o2.tw
 Start 2380
 GI none
 Exons 2380..2520, 2384..2521

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Wheat
 End 2521
 Score 229

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o1.tc
 Start 2384
 GI none
 Exons 2384..2521, 2393..2506, 2401..2520, 2585..2827, 2608..2796

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Cress
 End 2827
 Score 214

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o3.ts
 Start 2384
 GI none
 Exons 2384..2521, 2387..2506, 2401..2520, 2585..2776, 2596..2760

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Soybean
 End 2776
 Score 217

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o1.tw
 Start 2645
 GI none
 Exons 2645..2944, 2647..2796, 2792..2944, 2899..2946, 2902..2946

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Wheat
 End 2946
 Score 399

Seq. No. 6290
 Gene No. 13230
 Start 23782
 Name OJ000118_07.0215.C1.o1.ts
 Start 2777
 GI none
 Exons 2777..3025, 2792..3025, 3053..3208, 3067..3207, 3208..3258, 3209..3295

Seq. ID OJ000118_07.0215.C1
 Strand -
 End 25036
 Method TBLASTX:Soybean
 End 3295
 Score 339

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.tm	Method	TBLASTX:Maize
Start	7297	End	9448
GI	none	Score	194
Exons	7297..7476, 7301..7471, 7370..7480, 7549..7662, 7560..7661, 7564..7662, 8265..8411, 8266..8361, 8269..8412, 8270..8428, 8270..8410, 8488..8625, 8489..8635, 8502..8657, 8502..8636, 8504..8647, 8753..8965, 8757..8984, 8759..8944, 9037..9132, 9041..9151, 9118..9198, 9119..9199, 9220..9267, 9221..9268, 9364..9447, 9365..9448		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.ts	Method	TBLASTX:Soybean
Start	7325	End	9451
GI	none	Score	110
Exons	7325..7405, 7327..7404, 7418..7471, 8264..8389, 8271..8411, 8490..8669, 8507..8662, 8512..8670, 8738..8875, 8741..8869, 8757..8882, 8850..8987, 8885..8944, 9079..9132, 9166..9195, 9386..9451		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.tc	Method	TBLASTX:Cress
Start	7575	End	8798
GI	none	Score	81
Exons	7575..7661, 8268..8411, 8504..8635, 8505..8657, 8754..8798		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.tm	Method	TBLASTX:Maize
Start	16950	End	17174
GI	none	Score	221
Exons	16950..17174		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.ts	Method	TBLASTX:Soybean
Start	16956	End	17123
GI	none	Score	188
Exons	16956..17123, 16982..17068, 16989..17117		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o3.tc	Method	TBLASTX:Cress
Start	17154	End	17813
GI	none	Score	115
Exons	17154..17321, 17364..17513, 17577..17642, 17643..17813		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o3.tm	Method	TBLASTX:Maize
Start	17175	End	18101
GI	none	Score	91
Exons	17175..17312, 17313..17516, 17319..17432, 17324..17491, 17514..17549, 17568..17651, 17633..17773, 17643..17813, 17799..17951, 17906..17950, 18029..18100, 18042..18101		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o4.ts	Method	TBLASTX:Soybean
Start	17415	End	18110
GI	none	Score	97
Exons	17415..17513, 17634..17813, 17645..17773, 17904..17951, 17906..17950, 18029..18097, 18042..18110		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.gp	Method	AAT/GAP
Start	23782	End	25036
GI	none	Score	2421
Exons	23782..25036		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13231	Strand	-
Start	27639	End	27996
Name	OJ000118_07.0215.C1.o4.tm	Method	TBLASTX:Maize
Start	27639	End	27996
GI	none	Score	192
Exons	27639..27854, 27642..27857, 27961..27996		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989
Name	OJ000118_07.0215.C2.o1.gs	Method	GENSCAN
Start	2018	End	7736
GI	none	Score	.63
Exons	2018..2203, 4095..4149, 4239..6181, 6256..6414, 6585..6756, 6858..7156, 7431..7736		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989
Name	OJ000118_07.0215.C2.o2.np	Method	AAT/NAP
Start	2030	End	7742
GI	2618691	Score	3273
Exons	2030..2203, 4095..4149, 4239..6181, 6256..6414, 6585..6756, 6858..7156, 7431..7742		
GI Descrip.	(AC002510) putative Ca ²⁺ -ATPase [Arabidopsis thaliana]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989

Name	OJ000118_07.0215.C2.o1.gp	Method	AAT/GAP
Start	6704	End	7989
GI	10910_1.R1084	Score	1662
Exons	6704..6756, 6858..7156, 7431..7989		
GI Descrip.	'1805654/emb CAA68234 2.0e-63 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13233	Strand	+
Start	14976	End	15583
Name	OJ000118_07.0215.C2.o3.gp	Method	AAT/GAP
Start	14976	End	15583
GI	14262_1.R1084	Score	869
Exons	14976..15478, 15522..15583		
GI Descrip.	'6056209/gb AAF02826.1 AC009400_22 7.0e-17 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o4.gs	Method	GENSCAN
Start	18863	End	23902
GI	none	Score	.57
Exons	18863..19344, 20379..20417, 20805..21167, 21467..21564, 21709..21791, 21883..21999, 23306..23407, 23873..23902		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o5.gp	Method	AAT/GAP
Start	20900	End	21761
GI	5607608	Score	763
Exons	20900..21167, 21467..21564, 21709..21761		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o6.gp	Method	AAT/GAP
Start	21879	End	22267
GI	none	Score	674
Exons	21879..22267		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13235	Strand	+
Start	23899	End	24673
Name	OJ000118_07.0215.C2.o7.gp	Method	AAT/GAP
Start	23899	End	24673
GI	5607609	Score	456
Exons	23899..24086, 24588..24673		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13236	Strand	-
Start	8267	End	9364
Name	OJ000118_07.0215.C2.o2.gs	Method	GENSCAN
Start	8267	End	9364
GI	none	Score	1
Exons	8267..9364		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o5.tm	Method	TBLASTX:Maize
Start	2017	End	4558
GI	none	Score	156
Exons	2017..2121, 2027..2146, 4090..4128, 4098..4154, 4118..4153, 4250..4348, 4270..4323, 4303..4554, 4313..4558		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.tc	Method	TBLASTX:Cress
Start	4089	End	7673
GI	none	Score	54
Exons	4089..4154, 4094..4135, 4252..4434, 4253..4423, 4404..4883, 4424..5437, 4447..5115, 4727..5140, 5195..5407, 5197..5439, 5491..6132, 5504..6184, 6250..6417, 6250..6417, 6252..6440, 6582..6758, 6626..6757, 6812..7159, 6826..7026, 6866..7030, 7422..7673, 7428..7673		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o4.ts	Method	TBLASTX:Soybean
Start	4418	End	4753
GI	none	Score	301
Exons	4418..4753, 4420..4653		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.tm	Method	TBLASTX:Maize
Start	4705	End	5416
GI	none	Score	539
Exons	4705..5406, 4706..5113, 5156..5416		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.ts	Method	TBLASTX:Soybean
Start	4843	End	5560
GI	none	Score	709
Exons	4843..5556, 4847..5560		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.tw	Method	TBLASTX:Wheat
Start	5281	End	5623
GI	none	Score	172
Exons	5281..5601, 5282..5443, 5283..5444, 5504..5623		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563

Name	OJ000118_07.0215.C2.o1.tm	Method	TBLASTX:Maize
Start	5513	End	7475
GI	none	Score	695
Exons	5513..6184, 5530..6129, 6250..6417, 6252..6419, 6582..6758, 6582..6704, 6583..6723, 6626..6757, 6812..7159, 6854..7156, 7428..7475		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.ts	Method	TBLASTX:Soybean
Start	5564	End	7666
GI	none	Score	671
Exons	5564..6184, 5564..5806, 5566..6132, 5951..6184, 6232..6414, 6250..6417, 6255..6419, 6582..6758, 6582..6701, 6626..6757, 6812..7159, 6847..7173, 7428..7601, 7472..7666		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o7.tm	Method	TBLASTX:Maize
Start	7476	End	7747
GI	none	Score	102
Exons	7476..7667, 7476..7667, 7537..7668, 7558..7668, 7671..7742, 7685..7747		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.gp	Method	AAT/GAP
Start	12437	End	14942
GI	16175_1.R1084	Score	1286
Exons	12437..12869, 13577..13752, 13854..13900, 14913..14942		
GI Descrip.	'6056209/gb AAF02826.1 AC009400.22 1.0e-36 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.tm	Method	TBLASTX:Maize
Start	12667	End	13776
GI	none	Score	96
Exons	12667..12699, 12765..12872, 12765..12875, 12766..12879, 12961..12978, 13574..13750, 13574..13741, 13576..13776		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.np	Method	AAT/NAP
Start	12764	End	18790
GI	6056209	Score	715
Exons	12764..12869, 13577..13752, 13854..13900, 14913..15432, 18665..18790		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-

Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.gs	Method	GENSCAN
Start	12765	End	15849
GI	none	Score	.95
Exons	12765..12869, 12961..12979, 13577..13752, 13854..13900, 14913..15849		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.ts	Method	TBLASTX:Soybean
Start	12765	End	15000
GI	none	Score	111
Exons	12765..12875, 12769..12879, 12961..12978, 13574..13753, 13576..13755, 13849..13902, 13854..13901, 14911..15000, 14912..14998		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o6.tm	Method	TBLASTX:Maize
Start	13825	End	15046
GI	none	Score	78
Exons	13825..13902, 13854..13901, 14911..15045, 14912..15046		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.tc	Method	TBLASTX:Cress
Start	14956	End	15117
GI	none	Score	63
Exons	14956..15117, 15044..15115		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o4.np	Method	AAT/NAP
Start	17565	End	19563
GI	1076802	Score	252
Exons	17565..17584, 18320..19563		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 2111476A extensin-like domain [Zea mays]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13238	Strand	-
Start	21461	End	22740
Name	OJ000118_07.0215.C2.o4.tm	Method	TBLASTX:Maize
Start	21461	End	22740
GI	none	Score	124
Exons	21461..21565, 21465..21566, 21699..21791, 21710..21781, 21726..21791, 21856..22008, 21881..21943, 21882..22007, 21889..22032, 22299..22361, 22365..22385, 22517..22594, 22518..22595, 22536..22598, 22537..22599, 22660..22740, 22677..22739, 22678..22740		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
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Gene No. 13239
 Start 1
 Name OJ000118_07.0215.C3.o1.gp
 Start 1
 GI 5607609
 Exons 1..93

Strand +
 End 93
 Method AAT/GAP
 End 93
 Score 154

Seq. No. 6292
 Gene No. 13240
 Start 3682
 Name OJ000118_07.0215.C3.o2.gs
 Start 3682
 GI none
 Exons 3682..3795, 3970..4173, 5297..5441, 7651..8404, 10063..10250, 10255..10418, 10462..10617, 10805..10891, 11020..11124, 11322..11483, 12215..12286, 12863..13140, 13853..14087

Seq. ID OJ000118_07.0215.C3
 Strand +
 End 14287
 Method GENSCAN
 End 14087
 Score .72

Seq. No. 6292
 Gene No. 13240
 Start 3682
 Name OJ000118_07.0215.C3.o4.gp
 Start 3898
 GI none
 Exons 3898..4173

Seq. ID OJ000118_07.0215.C3
 Strand +
 End 14287
 Method AAT/GAP
 End 4173
 Score 413

Seq. No. 6292
 Gene No. 13240
 Start 3682
 Name OJ000118_07.0215.C3.o2.np
 Start 6614
 GI 4678923
 Exons 6614..6684, 7503..7948
 GI Descrip. (AL049711) putative protein [Arabidopsis thaliana]

Seq. ID OJ000118_07.0215.C3
 Strand +
 End 14287
 Method AAT/NAP
 End 7948
 Score 167

Seq. No. 6292
 Gene No. 13240
 Start 3682
 Name OJ000118_07.0215.C3.o6.gp
 Start 10223
 GI 240 1.R1084
 Exons 10223..10461, 10570..10692, 10805..10891, 11020..11124, 11322..11482, 12049..12090, 12220..12286, 12863..12984, 13089..13140, 13853..14287
 GI Descrip. '984756/emb|CAA90866| 1.0e-171 (Z54153) chilling-inducible protein [Oryza sativa]'

Seq. ID OJ000118_07.0215.C3
 Strand +
 End 14287
 Method AAT/GAP
 End 14287
 Score 2300

Seq. No. 6292
 Gene No. 13240
 Start 3682
 Name OJ000118_07.0215.C3.o3.np
 Start 10303
 GI 984756
 Exons 10303..10461, 10570..10692, 10805..10891, 11020..11124, 11322..11481, 12050..12090, 12220..12286, 12863..12981, 13086..13140, 13853..14084
 GI Descrip. (Z54153) chilling-inducible protein [Oryza sativa]

Seq. ID OJ000118_07.0215.C3
 Strand +
 End 14287
 Method AAT/NAP
 End 14084
 Score 1448

Seq. No. 6292
 Gene No. 13241
 Start 278
 Name OJ000118_07.0215.C3.o2.gp
 Start 278
 GI none
 Exons 278..670, 1158..1186

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 3754
 Method AAT/GAP
 End 1186
 Score 804

Seq. No. 6292
 Gene No. 13241
 Start 278
 Name OJ000118_07.0215.C3.o1.np
 Start 601
 GI 1653775
 Exons 601..670, 1158..1204, 1379..1471, 1746..1905, 2263..2424, 2687..2801, 2923..3014

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 3754
 Method AAT/NAP
 End 3014
 Score 351

GI Descrip. (D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]

Seq. No. 6292
 Gene No. 13241
 Start 278
 Name OJ000118_07.0215.C3.o1.gs
 Start 1158
 GI none
 Exons 1158..1187, 1379..1471, 1746..1846, 1947..2019, 2263..2424, 2582..2613, 3450..3471

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 3754
 Method GENSCAN
 End 3471
 Score .88

Seq. No. 6292
 Gene No. 13241
 Start 278
 Name OJ000118_07.0215.C3.o3.gp
 Start 1975
 GI 6761_1.R1084
 Exons 1975..2019, 2263..2424, 2582..2613, 2716..2801, 2923..3050, 3292..3312, 3413..3754

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 3754
 Method AAT/GAP
 End 3754
 Score 1268

GI Descrip. '3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'

Seq. No. 6292
 Gene No. 13242
 Start 7649
 Name OJ000118_07.0215.C3.o5.gp
 Start 7649
 GI none
 Exons 7649..7810

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 7810
 Method AAT/GAP
 End 7810
 Score 296

Seq. No. 6292
 Gene No. 13243
 Start 14991
 Name OJ000118_07.0215.C3.o4.tm
 Start 594
 GI none
 Exons 594..638, 594..656, 595..639, 635..670, 636..671, 638..673, 1158..1205, 1160..1252, 1160..1204, 1379..1465, 1379..1474, 1380..1472, 1731..1853, 1732..1857, 1747..1854

Seq. ID OJ000118_07.0215.C3
 Strand -
 End 16896
 Method TBLASTX:Maize
 End 1857
 Score 58

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.tm	Method	TBLASTX:Maize
Start	1953	End	2813
GI	none	Score	83
Exons	1953..2021, 1953..2045, 2260..2424, 2261..2425, 2261..2425, 2579..2614, 2580..2615, 2677..2781, 2708..2785, 2715..2813, 2715..2780		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.ts	Method	TBLASTX:Soybean
Start	2260	End	3041
GI	none	Score	169
Exons	2260..2424, 2264..2425, 2579..2614, 2708..2791, 2715..2804, 2732..2809, 2917..3033, 2923..3006, 2925..3041, 2925..3014		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o5.tm	Method	TBLASTX:Maize
Start	7649	End	7805
GI	none	Score	94
Exons	7649..7747, 7666..7800, 7667..7801, 7668..7805		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.tc	Method	TBLASTX:Cress
Start	7668	End	7925
GI	none	Score	258
Exons	7668..7925, 7668..7925		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	10291	End	14102
GI	none	Score	73
Exons	10291..10356, 10300..10350, 10407..10457, 10567..10695, 10567..10692, 10569..10694, 10775..10891, 10798..10893, 10801..10893, 11015..11131, 11017..11130, 11019..11138, 11019..11138, 11320..11418, 11321..11440, 11430..11486, 12049..12090, 12187..12288, 12214..12288, 12860..13141, 12862..13179, 12863..13141, 13850..14086, 13851..14093, 13950..14102		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	10533	End	14090
GI	none	Score	151
Exons	10533..10694, 10567..10695, 10775..10891, 12205..12279, 12868..13179, 12875..13141, 13850..13960, 13851..13967,		

13983..14090, 14031..14087

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.tc	Method	TBLASTX:Cress
Start	13850	End	14087
GI	none	Score	125
Exons	13850..13924, 13851..13967, 13852..13989, 14009..14086, 14010..14084, 14031..14087		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.gs	Method	GENSCAN
Start	14991	End	16896
GI	none	Score	.47
Exons	14991..15733, 16105..16307, 16393..16608, 16820..16896		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o4.np	Method	AAT/NAP
Start	15021	End	16683
GI	4406766	Score	485
Exons	15021..15870, 16584..16683		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.tc	Method	TBLASTX:Cress
Start	15183	End	15832
GI	none	Score	95
Exons	15183..15413, 15184..15411, 15441..15683, 15463..15624, 15692..15832		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.tm	Method	TBLASTX:Maize
Start	15213	End	15552
GI	none	Score	65
Exons	15213..15464, 15358..15453, 15363..15545, 15471..15545, 15475..15552		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.np	Method	AAT/NAP
Start	1	End	3716
GI	6539553	Score	6411
Exons	1..3716		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.tm	Method	TBLASTX:Maize
Start	1	End	253
GI	none	Score	171
Exons	1..249, 3..251, 3..248, 5..253		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.tw	Method	TBLASTX:Wheat
Start	3	End	192
GI	none	Score	200
Exons	3..191, 5..190, 40..192		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.tm	Method	TBLASTX:Maize
Start	752	End	1074
GI	none	Score	268
Exons	752..1006, 759..1073, 779..1072, 907..1074		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.ts	Method	TBLASTX:Soybean
Start	1101	End	1487
GI	none	Score	84
Exons	1101..1250, 1290..1487		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o4.tw	Method	TBLASTX:Wheat
Start	1353	End	1544
GI	none	Score	275
Exons	1353..1544, 1353..1544		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o4.tm	Method	TBLASTX:Maize
Start	1401	End	1895
GI	none	Score	228
Exons	1401..1709, 1484..1675, 1530..1685, 1728..1895		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o3.ts	Method	TBLASTX:Soybean
Start	1497	End	1895
GI	none	Score	197
Exons	1497..1721, 1505..1675, 1722..1895, 1730..1789		

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o2.tc
 Start 1530
 GI none
 Exons 1530..1712, 1725..1919

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Cress
 End 1919
 Score 112

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o1.tw
 Start 1545
 GI none
 Exons 1545..2009, 1553..2032, 2053..2141..2299

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Wheat
 End 2300
 Score 634

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o1.ts
 Start 2220
 GI 5509260
 Exons 2220..2684, 2321..2389, 2438..2533, 2606..2665
 GI Descrip. -

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Soybean
 End 2684
 Score 385

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o1.tc
 Start 2313
 GI none
 Exons 2313..2573

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Cress
 End 2573
 Score 281

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o2.tm
 Start 2352
 GI none
 Exons 2352..2819, 2354..2536, 2490..2672, 2606..2716

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Maize
 End 2819
 Score 362

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o3.tw
 Start 2352
 GI none
 Exons 2352..2699, 2502..2675, 2694..2900

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Wheat
 End 2900
 Score 320

Seq. No. 6293
 Gene No. 13244
 Start 1
 Name OJ000118_07.0215.C4.o2.ts
 Start 2753
 GI none

Seq. ID OJ000118_07.0215.C4
 Strand +
 End 3716
 Method TBLASTX:Soybean
 End 3098
 Score 310

Exons 2753..2953, 2754..3098

Seq. No. 6293
Gene No. 13244
Start 1
Name OJ000118_07.0215.C4.o3.tm
Start 2909
GI none
Exons 2909..3247, 2910..3248

Seq. ID OJ000118_07.0215.C4
Strand +
End 3716
Method TBLASTX:Maize
End 3248
Score 314

Seq. No. 6293
Gene No. 13244
Start 1
Name OJ000118_07.0215.C4.o2.tw
Start 3104
GI none
Exons 3104..3175, 3105..3179, 3106..3177, 3194..3547, 3194..3574, 3195..3578, 3196..3579

Seq. ID OJ000118_07.0215.C4
Strand +
End 3716
Method TBLASTX:Wheat
End 3579
Score 101

Seq. No. 6293
Gene No. 13244
Start 1
Name OJ000118_07.0215.C4.o4.ts
Start 3111
GI none
Exons 3111..3224, 3137..3217, 3243..3452, 3248..3373

Seq. ID OJ000118_07.0215.C4
Strand +
End 3716
Method TBLASTX:Soybean
End 3452
Score 91

Seq. No. 6294
Gene No. 13245
Start 1968
Name OJ000118_07.0215.C5.o2.gs
Start 1968
GI none
Exons 1968..2981

Seq. ID OJ000118_07.0215.C5
Strand -
End 2981
Method GENSCAN
End 2981
Score .71

Seq. No. 6294
Gene No. 13245
Start 1968
Name OJ000118_07.0215.C5.o1.np
Start 1995
GI 3420008
Exons 1995..2960
GI Descrip. (AF000307) steroid sulfotransferase 3 [Brassica napus]

Seq. ID OJ000118_07.0215.C5
Strand -
End 2981
Method AAT/NAP
End 2960
Score 526

Seq. No. 6294
Gene No. 13245
Start 1968
Name OJ000118_07.0215.C5.o1.gp
Start 2074
GI LIB3433-014-Q6-K1-A12
Exons 2074..2357
GI Descrip. '4539424/emb|CAB38957.1| 1.0e-19 (AL049171) steroid sulfotransferase-like protein [Arabidopsis thaliana]'

Seq. ID OJ000118_07.0215.C5
Strand -
End 2981
Method AAT/GAP
End 2357
Score 521

Seq. No. 6294
Gene No. 13245
Start 1968

Seq. ID OJ000118_07.0215.C5
Strand -
End 2981

Name	OJ000118_07.0215.C5.ol.tc	Method	TBLASTX:Cress
Start	2160	End	2786
GI	none	Score	58
Exons	2160..2390, 2161..2268, 2242..2391, 2326..2436, 2451..2639, 2601..2672, 2691..2786		

Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981
Name	OJ000118_07.0215.C5.ol.tm	Method	TBLASTX:Maize
Start	2190	End	2529
GI	none	Score	77
Exons	2190..2435, 2242..2436, 2335..2436, 2340..2522, 2451..2522, 2452..2529		

Seq. No.	6295	Seq. ID	OJ000118_07.0215.C6
Gene No.	13246	Strand	-
Start	344	End	1645
Name	OJ000118_07.0215.C6.ol.gs	Method	GENSCAN
Start	344	End	1645
GI	none	Score	.47
Exons	344..648, 726..882, 1045..1133, 1512..1645		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13247	Strand	+
Start	511	End	648
Name	OJ000118_07.0215.C7.ol.gs	Method	GENSCAN
Start	511	End	648
GI	none	Score	.69
Exons	511..648		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13248	Strand	+
Start	10053	End	10667
Name	OJ000118_07.0215.C7.o3.gs	Method	GENSCAN
Start	10053	End	10667
GI	none	Score	.62
Exons	10053..10068, 10175..10319, 10511..10667		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13249	Strand	-
Start	2139	End	3106
Name	OJ000118_07.0215.C7.ol.np	Method	AAT/NAP
Start	2139	End	3106
GI	3420008	Score	490
Exons	2139..3106		
GI Descrip.	(AF000307) steroid sulfotransferase 3 [Brassica napus]		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.ol.tc	Method	TBLASTX:Cress
Start	2304	End	7659
GI	none	Score	66
Exons	2304..2534, 2595..2801, 2605..2745, 2835..2930, 6661..6891, 6662..6892, 6952..6984, 7360..7512, 7564..7659		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.o1.tm	Method	TBLASTX:Maize
Start	2334	End	6993
GI	none	Score	77
Exons	2334..2579, 2364..2579, 2484..2666, 2596..2673, 6691..6936, 6836..6937, 6952..6993, 6952..6987		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.o4.gs	Method	GENSCAN
Start	12512	End	13752
GI	none	Score	.59
Exons	12512..12595, 13555..13676, 13705..13723, 13750..13752		

Seq. No.	6297	Seq. ID	OJ000118_07.0215.C9
Gene No.	13251	Strand	-
Start	1	End	303
Name	OJ000118_07.0215.C9.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	5607609	Score	342
Exons	1..113, 211..294		

Seq. No.	6297	Seq. ID	OJ000118_07.0215.C9
Gene No.	13251	Strand	-
Start	1	End	303
Name	OJ000118_07.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	216
Exons	1..126, 1..144, 2..133, 210..293, 210..302, 211..303		

Seq. No.	6298	Seq. ID	OJ000118_06.0222.C3
Gene No.	13252	Strand	+
Start	569	End	628
Name	OJ000118_06.0222.C3.o1.gs	Method	GENSCAN
Start	569	End	628
GI	none	Score	.61
Exons	569..628		

Seq. No.	6299	Seq. ID	OJ000118_06.0222.C4
Gene No.	13253	Strand	-
Start	1	End	2668
Name	OJ000118_06.0222.C4.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	5922636	Score	349
Exons	1..91, 118..348, 935..1067, 1358..1592, 2069..2141		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016869 dbj BAA85212.1 (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6299	Seq. ID	OJ000118_06.0222.C4
Gene No.	13253	Strand	-
Start	1	End	2668

Name	OJ000118_06.0222.C4.o1.gs	Method	GENSCAN
Start	104	End	2668
GI	none	Score	.56
Exons	104..425, 1009..1240, 1301..1507, 1622..2067, 2349..2668		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13254	Strand	+
Start	2902	End	4181
Name	OJ000118_06.0222.C5.o2.np	Method	AAT/NAP
Start	2881	End	4181
GI	4914406	Score	297
Exons	2881..3020, 3201..3367, 3716..3802, 3914..4024, 4114..4181		
GI Descrip.	(AL050352) mRNA cleavage factor subunit-like protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13254	Strand	+
Start	2902	End	4181
Name	OJ000118_06.0222.C5.o2.gs	Method	GENSCAN
Start	2902	End	4167
GI	none	Score	.91
Exons	2902..3080, 3174..3313, 3524..3615, 3716..3802, 3914..4024, 4114..4167		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13255	Strand	-
Start	855	End	3071
Name	OJ000118_06.0222.C5.o1.gs	Method	GENSCAN
Start	855	End	2689
GI	none	Score	.79
Exons	855..875, 1268..1384, 1490..2143, 2609..2689		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13255	Strand	-
Start	855	End	3071
Name	OJ000118_06.0222.C5.o1.np	Method	AAT/NAP
Start	1538	End	3071
GI	2244844	Score	137
Exons	1538..1786, 1831..1888, 3025..3071		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	3172	End	4184
GI	none	Score	175
Exons	3172..3309, 3197..3322, 3716..3802, 3718..3804, 3910..4014, 3911..4018, 4111..4143, 4143..4184		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o3.gs	Method	GENSCAN
Start	4686	End	5056
GI	none	Score	.72
Exons	4686..4861, 4954..5056		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o3.np	Method	AAT/NAP
Start	4695	End	5040
GI	4455323	Score	169
Exons	4695..4871, 4954..5040		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	4771	End	5037
GI	none	Score	131
Exons	4771..4872, 4773..4886, 4953..5033, 4954..5037, 4955..5032		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	6459
GI	4455323	Score	1611
Exons	1..31, 555..632, 721..827, 914..1028, 1106..1283, 1502..1589, 1701..1832, 1919..2210, 3006..3188, 3949..4062, 4966..5082, 5435..5588, 5811..6094, 6314..6459		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	543	End	3214
GI	none	Score	132
Exons	543..656, 555..632, 736..807, 757..822, 758..841, 759..821, 910..1029, 912..1031, 915..1037, 1077..1277, 1091..1309, 1107..1286, 1115..1309, 1506..1598, 1506..1598, 1507..1599, 1516..1599, 1526..1600, 1705..1833, 1708..1833, 1709..1834, 1916..2053, 1917..2054, 1917..2084, 2085..2219, 2086..2244, 2999..3067, 3004..3192, 3006..3194, 3007..3177, 3146..3214		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.gs	Method	GENSCAN
Start	555	End	6416
GI	none	Score	.87
Exons	555..632, 760..827, 914..1053, 1502..1599, 1711..1832, 1919..2210, 3006..3188, 3949..4115, 4336..4402, 4966..5082, 5435..5588, 5697..5790, 5908..6094, 6314..6416		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.gp	Method	AAT/GAP
Start	593	End	1294

GI LIB3431-016-P1-K1-G10 Score 726
 Exons 593..632, 760..827, 914..1028, 1106..1294
 GI Descrip. '4455323/emb|CAB36783.1| 1.0e-38 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o2.tc Method TBLASTX:Cress
 Start 910 End 1791
 GI none Score 68
 Exons 910..1017, 910..1029, 912..1031, 1106..1279, 1110..1280, 1179..1280, 1186..1281, 1705..1791

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o1.ts Method TBLASTX:Soybean
 Start 1107 End 3194
 GI none Score 108
 Exons 1107..1283, 1109..1336, 1501..1599, 1705..1833, 1706..1834, 1917..2051, 1956..2054, 2097..2213, 2113..2208, 3006..3194, 3049..3177

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o3.tc Method TBLASTX:Cress
 Start 1915 End 3071
 GI none Score 60
 Exons 1915..2049, 1917..2048, 2100..2228, 2104..2250, 3006..3071

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o1.tc Method TBLASTX:Cress
 Start 3949 End 5587
 GI none Score 107
 Exons 3949..4068, 3950..4063, 4963..5082, 4964..5083, 5157..5279, 5163..5279, 5173..5280, 5432..5587, 5433..5585

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o2.ts Method TBLASTX:Soybean
 Start 4963 End 5509
 GI none Score 109
 Exons 4963..5082, 4964..5083, 5157..5279, 5166..5279, 5173..5280, 5174..5281, 5432..5509

Seq. No. 6301 Seq. ID OJ000118_06.0222.C6
 Gene No. 13257 Strand -
 Start 1 End 6459
 Name OJ000118_06.0222.C6.o2.tm Method TBLASTX:Maize
 Start 5039 End 6055
 GI none Score 57
 Exons 5039..5083, 5041..5082, 5178..5279, 5179..5280, 5179..5280,

5432..5587, 5433..5588, 5433..5600, 5554..5589, 5686..5784,
5694..5783, 5696..5791, 5697..5795, 5903..6052, 5906..6055

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	5750	End	6106
GI	none	Score	49
Exons	5750..5791, 5757..5795, 5901..6095, 5906..6094, 5927..6106, 5931..6095		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.np	Method	AAT/NAP
Start	1	End	1840
GI	4455323	Score	272
Exons	1..20, 1383..1535, 1621..1840		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.gs	Method	GENSCAN
Start	1394	End	2798
GI	none	Score	.45
Exons	1394..1539, 1589..1787, 1806..1973, 2368..2559, 2687..2798		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	1394	End	1837
GI	none	Score	69
Exons	1394..1483, 1396..1536, 1646..1837		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	1394	End	1837
GI	none	Score	62
Exons	1394..1483, 1396..1530, 1646..1837		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	1441	End	1852
GI	none	Score	55
Exons	1441..1539, 1442..1546, 1643..1852, 1665..1709, 1800..1832		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.gp	Method	AAT/GAP

Start	1696	End	2929
GI	90620.1.R1084	Score	1323
Exons	1696..2339, 2892..2929		
GI Descrip.	'3928150/emb CAA10289 1.0e-56 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.np	Method	AAT/NAP
Start	1981	End	2929
GI	3928150	Score	516
Exons	1981..2339, 2892..2929		
GI Descrip.	(AJ131049) hypothetical protein [Cicer arietinum]		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	1982	End	2330
GI	none	Score	378
Exons	1982..2257, 1990..2328, 1994..2296, 1998..2330		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.gs	Method	GENSCAN
Start	1984	End	2910
GI	none	Score	.97
Exons	1984..2339, 2892..2910		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	1995	End	2348
GI	none	Score	91
Exons	1995..2144, 1996..2346, 2009..2296, 2052..2348		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	1999	End	2346
GI	none	Score	321
Exons	1999..2346, 2009..2296		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	2104	End	2277
GI	none	Score	126
Exons	2104..2154, 2146..2268, 2156..2269, 2160..2273, 2161..2277		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13260	Strand	+

Start	1805	End	2429
Name	OJ000118_06.0222.C9.o2.gs	Method	GENSCAN
Start	1805	End	2429
GI	none	Score	.75
Exons	1805..1953, 2174..2429		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	881
GI	6358809	Score	507
Exons	1..178, 302..422, 693..881		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.gs	Method	GENSCAN
Start	87	End	881
GI	none	Score	.86
Exons	87..178, 302..422, 693..881		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.gp	Method	AAT/GAP
Start	92	End	2680
GI	25375_1.R1084	Score	918
Exons	92..178, 302..422, 693..888, 2583..2680		
GI Descrip.	'3928150/emb CAA10289 4.0e-50 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tc	Method	TBLASTX:Cress
Start	72	End	888
GI	none	Score	69
Exons	72..194, 87..206, 298..423, 303..425, 678..881, 691..888, 698..886		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	85	End	888
GI	none	Score	91
Exons	85..174, 86..175, 87..176, 87..197, 157..186, 298..423, 302..424, 303..425, 303..425, 678..881, 691..882, 691..888		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	86	End	891
GI	none	Score	107

Exons 86..175, 87..176, 87..197, 139..186, 298..423, 302..439,
303..425, 678..890, 691..891

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	140	End	893
GI	none	Score	58
Exons	140..187, 141..188, 141..197, 298..423, 303..425, 305..424, 503..550, 678..893, 691..891, 699..893		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o3.gs	Method	GENSCAN
Start	3414	End	4541
GI	none	Score	.66
Exons	3414..3608, 4128..4224, 4495..4541		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.gs	Method	GENSCAN
Start	2008	End	16277
GI	none	Score	.78
Exons	2008..2310, 2461..2549, 2673..2778, 2881..3009, 3420..3512, 3711..3911, 4201..4553, 4663..4788, 5050..5212, 5312..5470, 6623..6726, 7065..7242, 7460..7620, 7924..8078, 8208..8320, 8479..8622, 9533..9557, 11189..11484, 11942..12081, 12643..12796, 12897..13258, 13493..13618, 13703..13865, 13949..14107, 14197..14321, 14417..14545, 14796..14881, 15198..15234, 15258..15402, 15507..15589, 15836..16143, 16192..16277		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.np	Method	AAT/NAP
Start	2014	End	5008
GI	4741193	Score	795
Exons	2014..2310, 2461..2549, 2673..2778, 2881..3009, 3218..3324, 3398..3512, 4201..5008		

GI Descrip. (AL049746) ABC transporter-like protein [Arabidopsis thaliana]

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o3.ts	Method	TBLASTX:Soybean
Start	2029	End	11367
GI	none	Score	154
Exons	2029..2079, 2161..2193, 11182..11367, 11210..11365		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.tm	Method	TBLASTX:Maize

Start	2032	End	11877
GI	none	Score	297
Exons	2032..2079, 2146..2313, 11180..11485, 11182..11487, 11590..11628, 11727..11864, 11758..11877		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	2672	End	12417
GI	none	Score	79
Exons	2672..2761, 2674..2778, 2692..2802, 2875..3018, 2876..3019, 3213..3302, 3227..3301, 3397..3426, 3402..3434, 11748..11864, 11758..11865, 11762..11866, 11763..11870, 11936..12082, 11937..12071, 11948..12073, 12211..12303, 12221..12289, 12365..12415, 12385..12417		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	2672	End	12487
GI	none	Score	73
Exons	2672..2761, 2692..2775, 2875..3018, 2876..3016, 3156..3188, 3213..3302, 3217..3303, 3227..3304, 3394..3504, 3408..3503, 11942..12082, 11943..12071, 11948..12082, 12204..12323, 12205..12324, 12206..12289, 12377..12487, 12391..12486		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	3810	End	13427
GI	none	Score	143
Exons	3810..3914, 4337..4537, 4342..4548, 4664..4747, 12687..12797, 12693..12767, 12695..12802, 12969..13265, 12982..13257, 12990..13259, 13338..13427, 13341..13424, 13348..13425		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	4305	End	13257
GI	none	Score	57
Exons	4305..4508, 4341..4535, 4342..4548, 4352..4543, 12897..12965, 12897..12986, 12993..13256, 12997..13257, 13014..13256		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.ts	Method	TBLASTX:Soybean
Start	4343	End	13253
GI	none	Score	108
Exons	4343..4549, 4399..4548, 13026..13253, 13027..13251		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-

Start	2008	End	16277
Name	OJ000118_06.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	4840	End	13835
GI	none	Score	61
Exons	4840..4956, 4851..4955, 5048..5182, 5049..5177, 5063..5179, 13500..13619, 13501..13620, 13501..13617, 13545..13619, 13701..13835, 13702..13788, 13713..13805		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.gp	Method	AAT/GAP
Start	11089	End	12296
GI	60338_1.R1084	Score	1495
Exons	11089..11484, 11593..11681, 11759..11864, 11942..12070, 12205..12296		

GI Descrip. '4741195/emb|CAB41861.1| 1.0e-101 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.np	Method	AAT/NAP
Start	11188	End	16051
GI	4741195	Score	2352
Exons	11188..11484, 11593..11681, 11759..11864, 11942..12070, 12205..12289, 12386..12495, 12596..12792, 12893..13258, 13337..13420, 13493..13618, 13703..13865, 13949..14107, 14197..14321, 14417..14545, 15258..15379, 15598..16051		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	6306	Seq. ID	OJ000118_06.0222.C11
Gene No.	13264	Strand	+
Start	335	End	498
Name	OJ000118_06.0222.C11.o1.gs	Method	GENSCAN
Start	335	End	498
GI	none	Score	.97
Exons	335..498		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.gp	Method	AAT/GAP
Start	8542	End	10068
GI	2310235	Score	290
Exons	8542..8579, 8992..9131, 10008..10068		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.gs	Method	GENSCAN
Start	8992	End	13440
GI	none	Score	.69
Exons	8992..9785, 9852..10156, 10311..10900, 11093..11582, 11763..11890, 12139..12274, 12685..12803, 13204..13440		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.gp	Method	AAT/GAP
Start	8996	End	11950
GI	342_1.R1084	Score	4922
Exons	8996..11950		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.gp	Method	AAT/GAP
Start	8996	End	11950
GI	342_1.R1084	Score	4924
Exons	8996..11950		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.np	Method	AAT/NAP
Start	9013	End	15366
GI	4680203	Score	3206
Exons	9013..10657, 10811..11038, 11315..11930, 15002..15366		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o4.tw	Method	TBLASTX:Wheat
Start	9343	End	9700
GI	none	Score	104
Exons	9343..9450, 9433..9684, 9441..9683, 9443..9700		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	9615	End	10044
GI	none	Score	88
Exons	9615..9701, 9616..9690, 9748..10044, 9802..10026		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.tc	Method	TBLASTX:Cress
Start	9777	End	10125
GI	none	Score	304
Exons	9777..9929, 9793..10125, 9969..10106		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090

Name	OJ000118_06.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	9913	End	10382
GI	none	Score	72
Exons	9913..9966, 9921..9965, 9967..10071, 9978..10067, 10075..10173, 10080..10172, 10083..10175, 10153..10377, 10174..10377, 10176..10382		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	9958	End	10413
GI	none	Score	244
Exons	9958..10212, 9970..10212, 10222..10413		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.tw	Method	TBLASTX:Wheat
Start	10513	End	10923
GI	none	Score	87
Exons	10513..10563, 10514..10576, 10562..10804, 10582..10764, 10832..10921, 10837..10923, 10838..10921		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	10924	End	15312
GI	none	Score	847
Exons	10924..11811, 10925..11842, 11132..11827, 11837..11881, 11840..11881, 11884..11919, 11888..11926, 15019..15129, 15024..15137, 15025..15138, 15151..15231, 15220..15312, 15224..15295		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	10967	End	11281
GI	none	Score	300
Exons	10967..11281, 10978..11253, 11051..11281		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	11212	End	11659
GI	none	Score	143
Exons	11212..11649, 11212..11655, 11216..11659, 11222..11659		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o4.gp	Method	AAT/GAP
Start	12001	End	16090
GI	342_1.R1084	Score	2062

Exons 12001..12026, 14997..16090
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.gs	Method	GENSCAN
Start	13593	End	15387
GI	none	Score	.42
Exons	13593..14166, 14200..14329, 15024..15387		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13266	Strand	+
Start	86	End	253
Name	OJ000118_06.0222.C13.o1.gs	Method	GENSCAN
Start	86	End	253
GI	none	Score	1
Exons	86..253		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o2.np	Method	AAT/NAP
Start	972	End	4702
GI	4680204	Score	1002
Exons	972..2408, 2504..3603, 3715..3888, 3985..4114, 4479..4702		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o2.gs	Method	GENSCAN
Start	987	End	4693
GI	none	Score	.81
Exons	987..1647, 1864..2243, 2289..2408, 2504..2645, 2771..2916, 2918..3603, 3715..3888, 3985..4074, 4182..4254, 4357..4455, 4535..4693		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o1.gp	Method	AAT/GAP
Start	3025	End	3503
GI	uC-osflcyp176f10b1	Score	862
Exons	3025..3503		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13268	Strand	+
Start	5009	End	5152
Name	OJ000118_06.0222.C13.o3.gp	Method	AAT/GAP
Start	5009	End	5152
GI	21474_1.R1084	Score	235
Exons	5009..5152		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	1617	End	2018
GI	none	Score	196
Exons	1617..1850, 1617..1766, 1718..1885, 1848..2018, 1923..2018		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o2.tw	Method	TBLASTX:Wheat
Start	2019	End	2716
GI	none	Score	61
Exons	2019..2099, 2337..2414, 2495..2716, 2497..2589		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o3.tw	Method	TBLASTX:Wheat
Start	3530	End	4054
GI	none	Score	58
Exons	3530..3610, 3701..3883, 3751..3876, 3983..4054		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o2.gp	Method	AAT/GAP
Start	4808	End	4912
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	4808..4912		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.gs	Method	GENSCAN
Start	978	End	7020
GI	none	Score	.83
Exons	978..1576, 2953..3184, 3496..3617, 4019..4114, 4203..4403, 4488..4647, 4738..4964, 5046..5106, 5245..5321, 5406..5495, 5592..5735, 5818..6132, 6360..6560, 6715..7020		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.np	Method	AAT/NAP
Start	1199	End	7073
GI	4741190	Score	2873
Exons	1199..1576, 2953..3184, 3418..3587, 3663..3848, 4019..4114, 4203..4403, 4488..4647, 4738..4964, 5046..5163, 5245..5321, 5406..5495, 5592..6132, 6219..6299, 6384..6560, 6766..7073		

GI Descrip. (AL049746) ABC-type transport-like protein [Arabidopsis thaliana]

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.gp	Method	AAT/GAP
Start	4577	End	5090
GI	2309848	Score	631
Exons	4577..4647, 4738..4964, 5046..5090		
GI Descrip.	4741190/emb CAB41856.1 6.0e-30 (AL049746) ABC-type transport-like protein [Arabidopsis thaliana]		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o2.gp	Method	AAT/GAP
Start	6925	End	7255
GI	none	Score	636
Exons	6925..7255		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13271	Strand	+
Start	7816	End	8054
Name	OJ000118_06.0222.C14.o3.gp	Method	AAT/GAP
Start	7816	End	8054
GI	4715358	Score	445
Exons	7816..8054		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13272	Strand	+
Start	16294	End	16752
Name	OJ000118_06.0222.C14.o5.gp	Method	AAT/GAP
Start	16294	End	16752
GI	2311271	Score	882
Exons	16294..16752		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13273	Strand	-
Start	8146	End	10636
Name	OJ000118_06.0222.C14.o2.np	Method	AAT/NAP
Start	8146	End	10483
GI	4538913	Score	232
Exons	8146..8466, 8665..8745, 10319..10483		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13273	Strand	-
Start	8146	End	10636
Name	OJ000118_06.0222.C14.o4.gp	Method	AAT/GAP
Start	10343	End	10636
GI	none	Score	510
Exons	10343..10636		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844

Name	OJ000118_06.0222.C14.o4.tc	Method	TBLASTX:Cress
Start	1199	End	1528
GI	none	Score	72
Exons	1199..1288, 1321..1482, 1352..1528		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.ts	Method	TBLASTX:Soybean
Start	1208	End	3551
GI	none	Score	72
Exons	1208..1288, 1324..1482, 1346..1483, 1522..1578, 1523..1579, 2946..3128, 2947..3183, 3411..3551, 3416..3550		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.tm	Method	TBLASTX:Maize
Start	1412	End	3569
GI	none	Score	133
Exons	1412..1483, 1414..1482, 1510..1578, 1511..1582, 2950..3183, 2950..3183, 2951..3184, 2960..3196, 3411..3569, 3416..3568		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.tm	Method	TBLASTX:Maize
Start	4045	End	4529
GI	none	Score	106
Exons	4045..4110, 4051..4116, 4176..4403, 4178..4405, 4194..4403, 4201..4416, 4479..4529		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.tc	Method	TBLASTX:Cress
Start	4290	End	4955
GI	none	Score	90
Exons	4290..4370, 4488..4646, 4488..4619, 4490..4696, 4490..4633, 4731..4955, 4736..4954		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.ts	Method	TBLASTX:Soybean
Start	4305	End	4928
GI	none	Score	112
Exons	4305..4403, 4316..4405, 4478..4639, 4479..4646, 4489..4647, 4490..4648, 4731..4928, 4736..4927		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.ts	Method	TBLASTX:Soybean
Start	5043	End	6990
GI	none	Score	191
Exons	5043..5162, 5044..5133, 5045..5161, 5213..5320, 5244..5333,		

5402..5494, 5403..5498, 5592..5735, 5644..5733, 5666..5734,
 5810..5881, 5813..6010, 5814..6056, 5817..6068, 5818..6063,
 5912..6064, 6222..6299, 6365..6553, 6372..6563, 6387..6563,
 6736..6990, 6762..6941

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	5142	End	7086
GI	none	Score	40
Exons	5142..5168, 5142..5162, 5240..5314, 5240..5320, 5244..5333, 5403..5498, 5403..5498, 5592..5735, 5592..5735, 5804..6130, 5817..6131, 5818..6132, 5891..6133, 6216..6299, 6217..6300, 6219..6326, 6379..6546, 6383..6547, 6384..6563, 6387..6563, 6736..7005, 6757..7005, 6759..7016, 7027..7086		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.tc	Method	TBLASTX:Cress
Start	5896	End	6293
GI	none	Score	205
Exons	5896..6063, 5898..6044, 6216..6293		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.tc	Method	TBLASTX:Cress
Start	6473	End	6933
GI	none	Score	100
Exons	6473..6553, 6474..6563, 6736..6933, 6763..6888, 6765..6911		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o4.tm	Method	TBLASTX:Maize
Start	8128	End	10517
GI	none	Score	75
Exons	8128..8196, 8129..8197, 8158..8325, 8171..8326, 8287..8466, 8327..8479, 8656..8745, 8657..8746, 8666..8746, 10316..10423, 10319..10423, 10467..10517		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.gs	Method	GENSCAN
Start	15888	End	20844
GI	none	Score	.9
Exons	15888..16124, 16234..16512, 20340..20416, 20775..20844		

Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13275	Strand	-
Start	3270	End	3702
Name	OJ000118_06.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	3270	End	3702
GI	none	Score	76

Exons 3270..3326, 3271..3354, 3409..3702, 3507..3701

Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13276	Strand	
Start	3802	End	4234
Name	OJ000118_06.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	3802	End	4234
GI	none	Score	76
Exons	3802..3861, 3856..3969, 3919..4035, 3920..4066, 4046..4123, 4067..4234, 4067..4108, 4117..4224		

Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13276	Strand	
Start	3802	End	4234
Name	OJ000118_06.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	3841	End	4234
GI	none	Score	96
Exons	3841..3939, 3919..3996, 3929..4057, 4054..4143, 4055..4177, 4181..4234		

Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13277	Strand	+
Start	310	End	636
Name	OJ000118_06.0222.C17.o1.gs	Method	GENSCAN
Start	310	End	636
GI	none	Score	.58
Exons	310..348, 514..636		

Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13278	Strand	+
Start	1859	End	2574
Name	OJ000118_06.0222.C17.o2.gs	Method	GENSCAN
Start	1859	End	2574
GI	none	Score	.7
Exons	1859..1926, 2064..2574		

Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13279	Strand	-
Start	3366	End	5579
Name	OJ000118_06.0222.C17.o3.gs	Method	GENSCAN
Start	3366	End	5579
GI	none	Score	.6
Exons	3366..3417, 3875..3971, 4053..4172, 4500..4533, 5388..5579		

Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13280	Strand	+
Start	752	End	988
Name	OJ000118_06.0222.C18.o1.gs	Method	GENSCAN
Start	752	End	988
GI	none	Score	.69
Exons	752..835, 887..988		

Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13281	Strand	+
Start	4768	End	6497
Name	OJ000118_06.0222.C18.o2.gs	Method	GENSCAN
Start	4768	End	6497

GI	none	Score	.81
Exons	4768..6497		
Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13281	Strand	+
Start	4768	End	6497
Name	OJ000118_06.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	5950	End	6402
GI	none	Score	113
Exons	5950..6078, 6154..6402		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	1318
GI	6466937	Score	1132
Exons	1..1318		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	171	End	617
GI	none	Score	389
Exons	171..617, 239..583		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o2.ts	Method	TBLASTX:Soybean
Start	171	End	485
GI	none	Score	237
Exons	171..485, 197..361		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	187	End	671
GI	none	Score	139
Exons	187..594, 188..646, 195..671, 200..658		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	264	End	587
GI	none	Score	192
Exons	264..587		
Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.ts	Method	TBLASTX:Soybean

Start 594
 GI none
 Exons 594..953

End 953
 Score 295

Seq. No. 6313
 Gene No. 13282
 Start 1
 Name OJ000118_06.0222.C19.o2.tw
 Start 666
 GI none
 Exons 666..1067

Seq. ID OJ000118_06.0222.C19
 Strand +
 End 1318
 Method TBLASTX:Wheat
 End 1067
 Score 300

Seq. No. 6313
 Gene No. 13282
 Start 1
 Name OJ000118_06.0222.C19.o1.tm
 Start 695
 GI none
 Exons 695..1141, 696..1232

Seq. ID OJ000118_06.0222.C19
 Strand +
 End 1318
 Method TBLASTX:Maize
 End 1232
 Score 635

Seq. No. 6313
 Gene No. 13282
 Start 1
 Name OJ000118_06.0222.C19.o3.ts
 Start 977
 GI none
 Exons 977..1126, 978..1232

Seq. ID OJ000118_06.0222.C19
 Strand +
 End 1318
 Method TBLASTX:Soybean
 End 1232
 Score 198

Seq. No. 6314
 Gene No. 13283
 Start 4
 Name OJ000118_06.0222.C21.o1.np
 Start 4
 GI 3810596
 Exons 4..912

Seq. ID OJ000118_06.0222.C21
 Strand -
 End 912
 Method AAT/NAP
 End 912
 Score 635

GI Descrip. (AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No. 6314
 Gene No. 13283
 Start 4
 Name OJ000118_06.0222.C21.o1.tm
 Start 11
 GI none
 Exons 11..157, 12..140, 202..645, 239..631

Seq. ID OJ000118_06.0222.C21
 Strand -
 End 912
 Method TBLASTX:Maize
 End 645
 Score 58

Seq. No. 6314
 Gene No. 13283
 Start 4
 Name OJ000118_06.0222.C21.o1.tw
 Start 167
 GI none
 Exons 167..538, 187..537

Seq. ID OJ000118_06.0222.C21
 Strand -
 End 912
 Method TBLASTX:Wheat
 End 538
 Score 127

Seq. No. 6314
 Gene No. 13283
 Start 4

Seq. ID OJ000118_06.0222.C21
 Strand -
 End 912

Name OJ000118_06.0222.C21.o2.tw
 Start 598
 GI none
 Exons 598..900, 599..901

Method TBLASTX:Wheat
 End 901
 Score 95

Seq. No. 6314
 Gene No. 13283
 Start 4
 Name OJ000118_06.0222.C21.o2.tm
 Start 646
 GI none
 Exons 646..912, 647..910

Seq. ID OJ000118_06.0222.C21
 Strand -
 End 912
 Method TBLASTX:Maize
 End 912
 Score 223

Seq. No. 6315
 Gene No. 13284
 Start 143
 Name OJ000118_06.0222.C22.o1.gs
 Start 143
 GI none
 Exons 143..276, 432..549

Seq. ID OJ000118_06.0222.C22
 Strand -
 End 549
 Method GENSCAN
 End 549
 Score .89

Seq. No. 6316
 Gene No. 13285
 Start 869
 Name OJ000118_02.0222.C1.o1.gs
 Start 869
 GI none
 Exons 869..1031, 1911..1981, 2414..2515

Seq. ID OJ000118_02.0222.C1
 Strand -
 End 2515
 Method GENSCAN
 End 2515
 Score .84

Seq. No. 6317
 Gene No. 13286
 Start 9029
 Name OJ000118_02.0222.C2.o1.gp
 Start 9029
 GI 5607577
 Exons 9029..9554

Seq. ID OJ000118_02.0222.C2
 Strand +
 End 9554
 Method AAT/GAP
 End 9554
 Score 1021

Seq. No. 6317
 Gene No. 13287
 Start 169
 Name OJ000118_02.0222.C2.o1.gs
 Start 169
 GI none
 Exons 169..374, 670..902, 1023..1153, 1705..1736, 1833..1927,

Seq. ID OJ000118_02.0222.C2
 Strand -
 End 7068
 Method GENSCAN
 End 7068
 Score .83

2023..2096, 2201..2336, 2432..2495, 2575..2637, 2722..2861,
 3308..3429, 3513..3678, 3760..3879, 4145..4216, 4305..4412,
 4604..4720, 4799..4937, 5343..5500, 5572..5681, 5772..5868,
 6043..6154, 6239..6444, 6844..6875, 7011..7068

Seq. No. 6317
 Gene No. 13287
 Start 169
 Name OJ000118_02.0222.C2.o1.np
 Start 984
 GI 4510428
 Exons 984..1153, 1705..1736, 1833..1927, 2023..2096, 2201..2336,

Seq. ID OJ000118_02.0222.C2
 Strand -
 End 7068
 Method AAT/NAP
 End 6444
 Score 1763

2432..2495, 2575..2637, 2722..2861, 3050..3188, 3308..3429,

3513..3560, 3588..3678, 3760..3879, 4145..4216, 4305..4412,
4604..4720, 4799..4937, 5394..5500, 5572..5681, 5772..5905,
6001..6154, 6239..6444

GI Descrip. (AC006929) Argonaute (AGO1)-like protein [Arabidopsis thaliana]

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	1706	End	6444
GI	none	Score	73
Exons	1706..1738, 1829..1948, 1830..1934, 1835..1948, 2021..2095, 2023..2097, 2027..2098, 2199..2339, 2200..2343, 2260..2340, 2430..2501, 2432..2509, 2439..2504, 2574..2639, 2575..2637, 2719..2871, 2730..2861, 3047..3097, 3087..3140, 3147..3215, 3305..3430, 3306..3413, 3541..3678, 3760..3801, 3802..3882, 3830..3880, 4139..4258, 4139..4216, 4296..4466, 4297..4386, 4556..4726, 4632..4721, 4791..4850, 4796..4936, 4878..4982, 5390..5506, 5569..5691, 5576..5683, 5768..5830, 5773..5904, 6040..6156, 6242..6358, 6256..6444, 6281..6361		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	1706	End	5844
GI	none	Score	68
Exons	1706..1738, 1826..1945, 1835..1948, 2021..2086, 2022..2087, 2023..2097, 2027..2098, 2199..2339, 2200..2337, 2263..2340, 2419..2502, 2430..2501, 2432..2509, 2574..2639, 2722..2742, 2731..2862, 2751..2897, 3032..3097, 3036..3083, 3087..3140, 3091..3183, 3147..3215, 3305..3346, 3306..3344, 3345..3431, 3347..3430, 3517..3558, 3760..3801, 3826..3882, 3827..3880, 4139..4219, 4140..4238, 4296..4415, 4297..4371, 4541..4726, 4617..4721, 4796..4936, 4799..4936, 5390..5506, 5567..5683, 5569..5700, 5770..5841, 5770..5844		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	1706	End	3134
GI	none	Score	69
Exons	1706..1738, 1812..1928, 1830..1931, 1835..1948, 1837..1929, 2021..2077, 2022..2075, 2023..2097, 2024..2098, 2199..2339, 2202..2342, 2432..2509, 2433..2510, 2574..2639, 2722..2871, 2745..2861, 3047..3097, 3087..3134		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o4.ts	Method	TBLASTX:Soybean
Start	3305	End	4415
GI	none	Score	110
Exons	3305..3430, 3306..3431, 3517..3558, 3610..3678, 3760..3801, 3802..3882, 4139..4216, 4140..4238, 4296..4415, 4297..4413		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	4592	End	5904
GI	none	Score	80
Exons	4592..4726, 4593..4721, 4791..4850, 4796..4936, 4878..4946, 5390..5506, 5567..5683, 5569..5691, 5773..5904, 5776..5847		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o3.ts	Method	TBLASTX:Soybean
Start	6040	End	6445
GI	none	Score	64
Exons	6040..6156, 6059..6157, 6253..6444, 6281..6445		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	6043	End	6432
GI	none	Score	74
Exons	6043..6150, 6053..6151, 6060..6167, 6256..6432, 6275..6361		

Seq. No.	6318	Seq. ID	OJ000118_02.0222.C3
Gene No.	13288	Strand	-
Start	583	End	1427
Name	OJ000118_02.0222.C3.o1.gs	Method	GENSCAN
Start	583	End	1427
GI	none	Score	.79
Exons	583..1055, 1223..1244, 1353..1427		

Seq. No.	6319	Seq. ID	OJ000118_02.0222.C4
Gene No.	13289	Strand	-
Start	1846	End	1924
Name	OJ000118_02.0222.C4.o1.gp	Method	AAT/GAP
Start	1846	End	1924
GI	90742_1.R1084	Score	97
Exons	1846..1924		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o1.gs	Method	GENSCAN
Start	1186	End	5864
GI	none	Score	.83
Exons	1186..1267, 3383..3683, 3783..4854, 5606..5683, 5775..5864		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o1.gp	Method	AAT/GAP
Start	4227	End	4824
GI	11249_1.R1084	Score	1132

Exons 4227..4824
 GI Descrip. '3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o2.gp	Method	AAT/GAP
Start	5732	End	6178
GI	3768571	Score	749
Exons	5732..6178		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13291	Strand	+
Start	7262	End	7726
Name	OJ000118_02.0222.C5.o2.gs	Method	GENSCAN
Start	7262	End	7726
GI	none	Score	.58
Exons	7262..7374, 7666..7726		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13292	Strand	+
Start	11779	End	16367
Name	OJ000118_02.0222.C5.o1.np	Method	AAT/NAP
Start	11779	End	15117
GI	1899175	Score	1830
Exons	11779..12579, 13432..13572, 13659..13814, 13908..14023, 14106..14273, 14699..14923, 15001..15117		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13292	Strand	+
Start	11779	End	16367
Name	OJ000118_02.0222.C5.o4.gs	Method	GENSCAN
Start	13326	End	16367
GI	none	Score	.74
Exons	13326..13332, 13432..13575, 13662..13814, 13908..14023, 14106..14273, 14699..14923, 15001..15119, 16166..16367		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o2.np	Method	AAT/NAP
Start	19989	End	22766
GI	3790587	Score	792
Exons	19989..20130, 20229..20275, 21473..21535, 21609..21717, 21820..22182, 22287..22384, 22469..22766		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o5.gs	Method	GENSCAN
Start	19999	End	22769
GI	none	Score	.7
Exons	19999..20228, 21007..21025, 21473..21535, 21820..22187,		

22277..22384, 22469..22769

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o3.gp	Method	AAT/GAP
Start	21466	End	21924
GI	569794	Score	502
Exons	21466..21535, 21609..21708, 21820..21924		
GI Descrip.	3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o4.gp	Method	AAT/GAP
Start	22588	End	23164
GI	uC-osflcyp178d09a1	Score	868
Exons	22588..22814, 22940..23164		
GI Descrip.	'3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13294	Strand	+
Start	23717	End	24361
Name	OJ000118_02.0222.C5.o6.gs	Method	GENSCAN
Start	23717	End	24361
GI	none	Score	.89
Exons	23717..24361		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	4129	End	20130
GI	none	Score	321
Exons	4129..4377, 4177..4299, 4357..4377, 4430..4447, 4464..4502, 4471..4503, 4630..4686, 4667..4732, 4796..4819, 20032..20130		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o5.tm	Method	TBLASTX:Maize
Start	4509	End	6164
GI	none	Score	77
Exons	4509..4592, 4513..4611, 4598..4627, 4735..4794, 5616..5684, 5622..5681, 5636..5692, 5636..5692, 5769..5876, 5772..5876, 5774..5878, 5780..5878, 5998..6063, 6002..6064, 6011..6064, 6039..6104, 6077..6106, 6106..6162, 6108..6164, 6109..6150, 6110..6163		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.gs	Method	GENSCAN
Start	8213	End	12938
GI	none	Score	.52

Exons 8213..8797, 9891..10024, 10132..10288, 11185..11215,
11452..12110, 12162..12623, 12903..12938

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	12033	End	15062
GI	none	Score	48
Exons	12033..12083, 12092..12286, 12093..12578, 12362..12577, 13426..13593, 13433..13597, 13434..13571, 13657..13815, 13658..13816, 13895..14020, 13904..14026, 13909..14028, 14094..14318, 14094..14270, 14699..14932, 14702..14884, 14998..15051, 15000..15062		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	12093	End	15092
GI	none	Score	606
Exons	12093..12581, 12107..12580, 12336..12581, 13430..13594, 13431..13571, 13448..13573, 13657..13806, 13658..13813, 13904..14026, 13912..14028, 14094..14333, 14094..14282, 14691..14918, 14699..14923, 14702..14872, 14703..14891, 15000..15092, 15001..15090		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tw	Method	TBLASTX:Wheat
Start	12243	End	12530
GI	none	Score	396
Exons	12243..12530, 12260..12295, 12336..12530		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	12246	End	14761
GI	none	Score	87
Exons	12246..12299, 12260..12289, 12312..12371, 12339..12398, 12393..12410, 12396..12581, 12416..12580, 12420..12593, 13430..13597, 13431..13571, 13436..13573, 13657..13815, 13658..13816, 13895..14026, 13903..14028, 13904..14026, 14093..14143, 14094..14282, 14094..14270, 14698..14757, 14699..14761		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.tw	Method	TBLASTX:Wheat
Start	12531	End	16422
GI	none	Score	88
Exons	12531..12581, 12533..12592, 13430..13588, 13431..13571, 13496..13573, 13594..13812, 13658..13813, 16333..16422		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	14184	End	15117
GI	none	Score	101
Exons	14184..14318, 14699..14932, 14703..14924, 15000..15113, 15001..15117		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	14762	End	15191
GI	none	Score	282
Exons	14762..14932, 14762..14887, 14763..14939, 14998..15126, 15000..15191, 15001..15123		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	20002	End	22634
GI	none	Score	190
Exons	20002..20133, 20034..20141, 20160..20276, 20215..20277, 20229..20276, 21459..21530, 21471..21527, 21473..21538, 21607..21720, 21642..21716, 21820..21867, 21822..21890, 22143..22202, 22271..22387, 22275..22385, 22461..22628, 22466..22624, 22488..22634		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tc	Method	TBLASTX:Cress
Start	20005	End	22636
GI	none	Score	174
Exons	20005..20133, 20034..20153, 20161..20277, 20229..20276, 20231..20278, 21459..21530, 21473..21535, 21607..21720, 21611..21721, 21639..21716, 21820..21867, 21835..21972, 21837..21887, 21879..21920, 22250..22387, 22287..22385, 22461..22631, 22466..22636		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o4.tm	Method	TBLASTX:Maize
Start	20160	End	22720
GI	none	Score	86
Exons	20160..20276, 20222..20278, 20229..20276, 21459..21530, 21473..21535, 21473..21535, 21607..21720, 21687..21716, 21814..21963, 21834..21947, 22310..22387, 22311..22385, 22323..22388, 22467..22631, 22469..22654, 22470..22661, 22703..22720		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724

Name	OJ000118_02.0222.C5.o5.tw	Method	TBLASTX:Wheat
Start	21619	End	21936
GI	none	Score	131
Exons	21619..21720, 21620..21721, 21687..21716, 21820..21867, 21823..21936, 21825..21935		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o4.tw	Method	TBLASTX:Wheat
Start	22455	End	22724
GI	none	Score	286
Exons	22455..22724, 22459..22545, 22460..22723		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o1.gs	Method	GENSCAN
Start	48	End	12102
GI	none	Score	.53
Exons	48..783, 3335..3589, 4276..4491, 4597..4803, 5377..5470, 7953..8025, 8706..8810, 9001..11226, 11290..12102		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o1.np	Method	AAT/NAP
Start	9372	End	15011
GI	6498441	Score	6973
Exons	9372..10432, 10763..11226, 11290..11663, 11847..11981, 12157..12583, 12776..13072, 13244..14641, 14730..15011		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o2.gs	Method	GENSCAN
Start	12662	End	14974
GI	none	Score	.96
Exons	12662..14974		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	604
GI	none	Score	98
Exons	2..82, 3..62, 50..133, 51..134, 140..595, 141..596, 500..604		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	596
GI	none	Score	85

Exons 2..58, 3..59, 51..134, 131..589, 132..593, 270..596

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	156	End	596
GI	none	Score	647
Exons	156..596, 161..595		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.tw	Method	TBLASTX:Wheat
Start	305	End	19080
GI	none	Score	446
Exons	305..583, 306..581, 18933..18971, 19042..19080		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o7.tw	Method	TBLASTX:Wheat
Start	9360	End	9912
GI	none	Score	34
Exons	9360..9395, 9520..9567, 9574..9672, 9579..9671, 9639..9878, 9655..9912		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o5.tm	Method	TBLASTX:Maize
Start	9525	End	9810
GI	none	Score	197
Exons	9525..9809, 9562..9810		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o4.tw	Method	TBLASTX:Wheat
Start	9920	End	13378
GI	none	Score	234
Exons	9920..9973, 12920..13168, 12944..13195, 13009..13194, 13229..13378, 13240..13377		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.tw	Method	TBLASTX:Wheat
Start	10647	End	11133
GI	none	Score	412
Exons	10647..10820, 10648..11133, 10842..11102		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	11297	End	11760

GI	none	Score	198
Exons	11297..11740, 11298..11753, 11299..11760, 11299..11754		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o4.ts	Method	TBLASTX:Soybean
Start	11338	End	11703
GI	none	Score	120
Exons	11338..11562, 11569..11703		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	11428	End	11784
GI	none	Score	392
Exons	11428..11784, 11463..11774, 11479..11784		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o5.tw	Method	TBLASTX:Wheat
Start	11761	End	12072
GI	none	Score	341
Exons	11761..12072, 11769..12059		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	11811	End	12196
GI	none	Score	277
Exons	11811..12089, 11812..12090, 12002..12196		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	11947	End	12319
GI	none	Score	155
Exons	11947..12093, 11964..12089, 12089..12319		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o9.tw	Method	TBLASTX:Wheat
Start	12083	End	12372
GI	none	Score	238
Exons	12083..12370, 12088..12177, 12214..12372		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	13067	End	13633
GI	5666795	Score	68

Exons 13067..13165, 13241..13378, 13433..13633
GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o10.tw Method TBLASTX:Wheat
Start 13381 End 13693
GI none Score 190
Exons 13381..13557, 13394..13582, 13433..13693

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o4.tm Method TBLASTX:Maize
Start 13886 End 17770
GI none Score 236
Exons 13886..14107, 13903..14196, 14006..14218, 14032..14181,
14156..14209, 17570..17653, 17726..17770

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o6.tw Method TBLASTX:Wheat
Start 14023 End 14404
GI none Score 321
Exons 14023..14079, 14024..14404, 14027..14365, 14128..14373

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o8.tw Method TBLASTX:Wheat
Start 14405 End 17758
GI none Score 266
Exons 14405..14743, 14407..14802, 14410..14688, 14876..14998,
14877..15002, 17657..17758

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o6.tm Method TBLASTX:Maize
Start 14871 End 15014
GI none Score 184
Exons 14871..15014, 14876..15010

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o3.gs Method GENSCAN
Start 15634 End 18774
GI none Score .86
Exons 15634..18774

Seq. No. 6321 Seq. ID OJ000118_02.0222.C6
Gene No. 13297 Strand -
Start 15634 End 19080
Name OJ000118_02.0222.C6.o2.np Method AAT/NAP

Start	15637	End	18774
GI	6907089	Score	4520
Exons	15637..18774		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.np	Method	AAT/NAP
Start	938	End	2437
GI	4510383	Score	1512
Exons	938..1037, 1095..2437		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.gs	Method	GENSCAN
Start	942	End	4234
GI	none	Score	.8
Exons	942..2292, 4215..4234		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.gp	Method	AAT/GAP
Start	957	End	1406
GI	35760_1.R1084	Score	780
Exons	957..1406		
GI Descrip.	'4510383/gb AAD21471.1 2.0e-28 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o2.gp	Method	AAT/GAP
Start	2238	End	4245
GI	none	Score	822
Exons	2238..2292, 3861..4245		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tc	Method	TBLASTX:Cress
Start	1095	End	1627
GI	none	Score	316
Exons	1095..1367, 1199..1336, 1434..1601, 1445..1609, 1599..1619, 1601..1627		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	1137	End	5384
GI	none	Score	377
Exons	1137..1427, 1191..1274, 1199..1381, 1410..1535, 1442..1537, 1490..1537, 5202..5384		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	1583
GI	none	Score	297
Exons	1214..1381, 1215..1421, 1410..1583, 1442..1582		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	1251	End	2210
GI	none	Score	149
Exons	1251..1361, 1410..1619, 1445..1627, 1672..1713, 1672..1713, 1688..1780, 1736..2209, 1737..2210		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	1538	End	2296
GI	none	Score	131
Exons	1538..1627, 1539..1619, 1575..1679, 1577..1795, 1672..1722, 1687..1719, 1730..2296, 1737..2294		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	1758	End	2213
GI	none	Score	692
Exons	1758..2213, 1763..2212		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tw	Method	TBLASTX:Wheat
Start	1907	End	2185
GI	none	Score	457
Exons	1907..2185, 1908..2183		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.np	Method	AAT/NAP
Start	5726	End	7856
GI	3320104	Score	1257
Exons	5726..5798, 5906..6019, 6145..6369, 6482..6649, 6917..7032, 7156..7308, 7430..7632, 7803..7856		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.gs	Method	GENSCAN

Start	5888	End	7573
GI	none	Score	.96
Exons	5888..6019, 6145..6369, 6482..6649, 6917..7032, 7156..7308, 7430..7573		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	5894	End	7207
GI	none	Score	72
Exons	5894..5962, 5948..6019, 5976..6020, 6145..6369, 6197..6370, 6303..6380, 6322..6387, 6482..6649, 6483..6647, 6485..6649, 6912..7028, 6920..7030, 6920..7030, 6924..7031, 7157..7207		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tw	Method	TBLASTX:Wheat
Start	5895	End	6610
GI	none	Score	36
Exons	5895..5933, 5951..6019, 5952..6020, 6145..6369, 6197..6370, 6322..6387, 6482..6571, 6483..6572, 6485..6610		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tc	Method	TBLASTX:Cress
Start	5937	End	7584
GI	none	Score	73
Exons	5937..6020, 5975..6019, 6145..6369, 6197..6370, 6322..6387, 6482..6652, 6483..6650, 6485..6658, 6912..7028, 6914..7030, 6920..7030, 7151..7300, 7157..7312, 7170..7310, 7427..7558, 7431..7577, 7432..7584, 7432..7578		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.gp	Method	AAT/GAP
Start	5943	End	6299
GI	LIB3433-044-P1-K1-F12	Score	610
Exons	5943..6299		
GI Descrip.	'3320104/emb CAA07481 5.0e-14 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	6157	End	6999
GI	none	Score	71
Exons	6157..6369, 6169..6231, 6191..6370, 6480..6599, 6481..6639, 6482..6652, 6483..6650, 6912..6992, 6914..6991, 6916..6999		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856

Name	OJ000118_02.0222.C7.o4.tm	Method	TBLASTX:Maize
Start	7157	End	7581
GI	none	Score	139
Exons	7157..7312, 7158..7310, 7416..7574, 7431..7577, 7432..7581		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o4.tw	Method	TBLASTX:Wheat
Start	7157	End	7584
GI	none	Score	87
Exons	7157..7312, 7158..7310, 7431..7577, 7432..7584		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.ts	Method	TBLASTX:Soybean
Start	7208	End	7581
GI	none	Score	110
Exons	7208..7312, 7215..7310, 7427..7555, 7431..7577, 7432..7581		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13300	Strand	+
Start	58	End	2792
Name	OJ000118_02.0222.C8.o1.gs	Method	GENSCAN
Start	58	End	2792
GI	none	Score	.6
Exons	58..128, 266..282, 1000..1152, 1213..1952, 2154..2792		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	506	End	2022
GI	none	Score	38
Exons	506..538, 509..571, 608..655, 610..654, 617..688, 644..700, 755..787, 857..985, 879..992, 880..993, 988..1053, 989..1120, 993..1127, 996..1121, 1113..1190, 1124..1189, 1125..1190, 1157..1276, 1173..1268, 1195..1269, 1281..1355, 1351..1482, 1359..1490, 1362..1490, 1446..1631, 1494..1538, 1500..1583, 1527..1643, 1533..1637, 1536..1643, 1548..1589, 1551..1628, 1587..1643, 1590..1643, 1593..1643, 1593..1787, 1638..1679, 1638..1700, 1638..1679, 1641..1679, 1644..1787, 1665..1808, 1683..1820, 1710..1733, 1716..1820, 1731..1835, 1731..1832, 1731..1829, 1737..1835, 1747..1821, 1752..1871, 1758..1874, 1758..1880, 1791..1898, 1800..1898, 1800..1898, 1800..1919, 1801..1833, 1807..1875, 1812..1934, 1853..1903, 1854..2006, 1861..1947, 1888..2022		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o3.np	Method	AAT/NAP
Start	2955	End	7771
GI	6119519	Score	147
Exons	2955..2990, 3997..4450, 4535..4619, 4954..5049, 5188..5462, 6201..6396, 6689..6766, 6907..6999, 7581..7771		

GI Descrip. (AC011560) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o2.gs	Method	GENSCAN
Start	3338	End	6983
GI	none	Score	.93
Exons	3338..3829, 3921..4619, 4966..5082, 5188..5475, 6232..6400, 6946..6983		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	5186	End	6400
GI	none	Score	120
Exons	5186..5326, 5187..5357, 5187..5327, 5188..5328, 5298..5465, 5326..5463, 6224..6400, 6229..6399		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o3.gs	Method	GENSCAN
Start	10417	End	11257
GI	none	Score	1
Exons	10417..10705, 10863..11257		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o3.np	Method	AAT/NAP
Start	10549	End	12947
GI	118120	Score	93
Exons	10549..10637, 10924..11160, 11545..11578, 12925..12947		
GI Descrip.	CYSTEINE PROTEINASE EP-B 1 PRECURSOR gi 82385 pir JQ1111 cysteine proteinase (EC 3.4.22.-) EP-B 1 precursor - barley gi 1146116 (U19359) cysteine proteinase EPB1 precursor [Hordeum vulgare]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o5.gs	Method	GENSCAN
Start	12698	End	12886
GI	none	Score	.92
Exons	12698..12886		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13303	Strand	+
Start	14286	End	16506
Name	OJ000118_02.0222.C9.o4.np	Method	AAT/NAP
Start	14286	End	16506
GI	6691716	Score	1845
Exons	14286..15174, 15372..15549, 15626..15726, 15805..15984, 16062..16249, 16324..16506		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]

gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
[Oryza sativa]

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13303	Strand	+
Start	14286	End	16506
Name	OJ000118_02.0222.C9.o6.gs	Method	GENSCAN
Start	14286	End	16249
GI	none	Score	.77
Exons	14286..15174, 15231..15549, 15626..15984, 16050..16249		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.gs	Method	GENSCAN
Start	1301	End	3596
GI	none	Score	.93
Exons	1301..1408, 1565..1722, 3291..3392, 3494..3596		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.np	Method	AAT/NAP
Start	1304	End	3584
GI	6671934	Score	332
Exons	1304..1408, 1565..1722, 3291..3392, 3494..3584		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.gp	Method	AAT/GAP
Start	1320	End	3704
GI	54546_1.R1084	Score	936
Exons	1320..1408, 1565..1722, 3291..3392, 3494..3704		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13305	Strand	-
Start	6482	End	7257
Name	OJ000118_02.0222.C9.o2.np	Method	AAT/NAP
Start	6473	End	7257
GI	4510378	Score	401
Exons	6473..6709, 6755..6834, 6868..7043, 7211..7257		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13305	Strand	-
Start	6482	End	7257
Name	OJ000118_02.0222.C9.o2.gs	Method	GENSCAN
Start	6482	End	7108
GI	none	Score	.7
Exons	6482..7108		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
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Gene No. 13306
 Start 11541
 Name OJ000118_02.0222.C9.o4.gs
 Start 11541
 GI none
 Exons 11541..11603, 11897..12001

Strand -
 End 12001
 Method GENSCAN
 End 12001
 Score .6

Seq. No. 6324
 Gene No. 13307
 Start 12838
 Name OJ000118_02.0222.C9.o1.tm
 Start 1319
 GI none
 Exons 1319..1408, 1326..1412, 1559..1723, 1566..1724, 3286..3384, 3287..3382, 3489..3515

Seq. ID OJ000118_02.0222.C9
 Strand -
 End 13248
 Method TBLASTX:Maize
 End 3515
 Score 144

Seq. No. 6324
 Gene No. 13307
 Start 12838
 Name OJ000118_02.0222.C9.o1.tw
 Start 1355
 GI none
 Exons 1355..1408, 1559..1723, 1565..1723, 1566..1724, 3286..3345, 3287..3346, 3293..3346, 3325..3390, 3337..3390

Seq. ID OJ000118_02.0222.C9
 Strand -
 End 13248
 Method TBLASTX:Wheat
 End 3390
 Score 121

Seq. No. 6324
 Gene No. 13307
 Start 12838
 Name OJ000118_02.0222.C9.o2.gp
 Start 12838
 GI 5816562
 Exons 12838..13248
 GI Descrip. 6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10

Seq. ID OJ000118_02.0222.C9
 Strand -
 End 13248
 Method AAT/GAP
 End 13248
 Score 634

Seq. No. 6324
 Gene No. 13308
 Start 14406
 Name OJ000118_02.0222.C9.o2.tw
 Start 14406
 GI none
 Exons 14406..14696, 14546..14659

Seq. ID OJ000118_02.0222.C9
 Strand -
 End 14696
 Method TBLASTX:Wheat
 End 14696
 Score 214

Seq. No. 6325
 Gene No. 13309
 Start 92
 Name OJ000118_02.0222.C10.o1.np
 Start 92
 GI 5902446
 Exons 92..553
 GI Descrip. (AB030283) orf5 [Oryza sativa]

Seq. ID OJ000118_02.0222.C10
 Strand +
 End 580
 Method AAT/NAP
 End 553
 Score 594

Seq. No. 6325
 Gene No. 13309
 Start 92
 Name OJ000118_02.0222.C10.o1.gs
 Start 106

Seq. ID OJ000118_02.0222.C10
 Strand +
 End 580
 Method GENSCAN
 End 580

GI	none	Score	.97
Exons	106..580		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.gs	Method	GENSCAN
Start	886	End	6106
GI	none	Score	.66
Exons	886..1743, 1828..2824, 2929..3002, 3312..3485, 3693..3966, 4063..4577, 4583..4675, 4766..4980, 5107..6106		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	898	End	1506
GI	none	Score	95
Exons	898..1029, 1054..1506, 1223..1351, 1333..1362, 1403..1489		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.np	Method	AAT/NAP
Start	922	End	6175
GI	5922631	Score	6222
Exons	922..3448, 4055..4980, 5107..5258, 5301..5872, 5918..6175		
GI Descrip.	(AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	937	End	1200
GI	none	Score	101
Exons	937..1035, 938..1039, 1018..1200, 1019..1078		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o5.tm	Method	TBLASTX:Maize
Start	1282	End	1555
GI	none	Score	55
Exons	1282..1368, 1378..1461, 1391..1465, 1456..1554, 1457..1555		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o5.tw	Method	TBLASTX:Wheat
Start	1625	End	2016
GI	none	Score	54

Exons 1625..1672, 1627..2013, 1645..1818, 1703..2014, 1855..2016

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	1657	End	2020
GI	none	Score	235
Exons	1657..1704, 1696..2019, 1697..2020		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o9.tw	Method	TBLASTX:Wheat
Start	2017	End	2316
GI	none	Score	49
Exons	2017..2115, 2060..2128, 2182..2316, 2183..2314		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o4.tw	Method	TBLASTX:Wheat
Start	2332	End	2754
GI	none	Score	250
Exons	2332..2754, 2408..2749		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.ts	Method	TBLASTX:Soybean
Start	2375	End	2763
GI	none	Score	121
Exons	2375..2623, 2377..2763, 2660..2755		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o6.tm	Method	TBLASTX:Maize
Start	2428	End	2701
GI	none	Score	53
Exons	2428..2526, 2429..2494, 2530..2700, 2545..2673, 2651..2701		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o8.tw	Method	TBLASTX:Wheat
Start	2755	End	2949
GI	none	Score	200
Exons	2755..2949		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	2997	End	3389
GI	none	Score	106
Exons	2997..3356, 3033..3389, 3229..3372		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.tw	Method	TBLASTX:Wheat
Start	3043	End	3467
GI	none	Score	259
Exons	3043..3423, 3046..3366, 3048..3467		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	3141	End	3524
GI	none	Score	147
Exons	3141..3524, 3142..3420, 3189..3515		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	3552	End	3908
GI	none	Score	198
Exons	3552..3908, 3574..3867		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	3582	End	4038
GI	none	Score	275
Exons	3582..4037, 3583..4038		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.ts	Method	TBLASTX:Soybean
Start	3633	End	3998
GI	none	Score	138
Exons	3633..3767, 3774..3998		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o6.tw	Method	TBLASTX:Wheat
Start	4038	End	4714
GI	none	Score	147
Exons	4038..4211, 4258..4494, 4260..4490, 4586..4714		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o7.tm	Method	TBLASTX:Maize
Start	4229	End	4407
GI	none	Score	106
Exons	4229..4354, 4230..4406, 4261..4407		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o7.tw	Method	TBLASTX:Wheat
Start	5294	End	5696
GI	none	Score	104
Exons	5294..5695, 5427..5696		
Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o1.gs	Method	GENSCAN
Start	45	End	2274
GI	none	Score	.51
Exons	45..277, 465..766, 1077..1160, 1886..2274		
Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o1.gp	Method	AAT/GAP
Start	271	End	1030
GI	5816562	Score	646
Exons	271..294, 616..1030		
GI Descrip.	6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o2.np	Method	AAT/NAP
Start	1224	End	3005
GI	944916	Score	96
Exons	1224..1295, 1930..2095, 2956..3005		
GI Descrip.	(U30322) cysteine proteinase [Mesembryanthemum crystallinum]		
Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13312	Strand	-
Start	1	End	569
Name	OJ000118_02.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	569
GI	5902444	Score	592
Exons	1..569		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13313	Strand	+
Start	744	End	1034
Name	OJ000118_02.0222.C12.o1.gp	Method	AAT/GAP
Start	744	End	1034
GI	62293_1.R1084	Score	517
Exons	744..1034		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13314	Strand	+

Start	1362	End	1675
Name	OJ000118_02.0222.C12.o2.gp	Method	AAT/GAP
Start	1362	End	1675
GI	5607599	Score	597
Exons	1362..1675		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o2.gs	Method	GENSCAN
Start	1981	End	8550
GI	none	Score	.71
Exons	1981..2080, 2565..2668, 4851..4929, 5938..6259, 6389..6587, 6693..6969, 7062..7200, 7287..7449, 8401..8550		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o3.gp	Method	AAT/GAP
Start	5723	End	8562
GI	1190_2.R1084	Score	2835
Exons	5723..6259, 6389..6587, 6693..6969, 7062..7200, 7287..7449, 8401..8562		

GI Descrip. '1125691|emb|CAA63965| 0.0e+00 (X94301) DnaJ protein [Solanum tuberosum]'

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	5929	End	8560
GI	none	Score	62
Exons	5929..5970, 6042..6230, 6043..6231, 6072..6233, 6112..6231, 6350..6589, 6390..6587, 6391..6594, 6693..6734, 6693..6743, 6694..6969, 6792..6926, 6796..6966, 6806..6967, 7058..7162, 7061..7165, 7062..7166, 7062..7199, 7063..7200, 7294..7452, 7318..7452, 8386..8553, 8387..8551, 8453..8560		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	5935	End	8533
GI	none	Score	52
Exons	5935..5970, 6042..6302, 6072..6260, 6118..6261, 6390..6587, 6391..6594, 6439..6591, 6693..6743, 6694..6966, 6792..6926, 6796..6972, 6819..6971, 7059..7166, 7061..7165, 7069..7206, 7286..7312, 7294..7452, 7301..7444, 7318..7452, 8386..8532, 8387..8533		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	5935	End	8539
GI	none	Score	50
Exons	5935..5970, 6042..6299, 6043..6261, 6386..6523, 6390..6527,		

6391..6534, 6439..6528, 6505..6594, 6516..6587, 6686..6733,
6693..6743, 6694..6798, 6792..6926, 6803..6880, 6806..6967,
6856..6966, 6907..6969, 7059..7166, 7060..7212, 7061..7165,
7291..7335, 7318..7344, 7336..7452, 7351..7452, 7353..7469,
8386..8463, 8387..8464, 8443..8493, 8494..8538, 8495..8539

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.np	Method	AAT/NAP
Start	5937	End	8550
GI	1169382	Score	1789
Exons	5937..6259, 6389..6587, 6693..6969, 7062..7201, 7285..7449, 8401..8550		
GI Descrip.	DNAJ PROTEIN HOMOLOG 2 gi 542196 pir S42031 LDJ2 protein - leek gi 454303 emb CAA54720 (X77632) LDJ2 [Allium porrum]		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	6042	End	7176
GI	none	Score	209
Exons	6042..6299, 6072..6254, 6100..6261, 6383..6589, 6390..6587, 6391..6594, 6439..6591, 6677..6733, 6693..6728, 6693..6743, 6694..6798, 6792..6926, 6792..6857, 6810..6896, 6814..6969, 6856..6969, 7058..7162, 7061..7165, 7062..7166, 7062..7169, 7063..7176, 7099..7176		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	7318	End	8554
GI	none	Score	115
Exons	7318..7347, 7342..7452, 7342..7452, 7353..7466, 8313..8345, 8386..8553, 8387..8551, 8453..8554, 8464..8553		

Seq. No.	6328	Seq. ID	OJ000118_02.0222.C13
Gene No.	13316	Strand	-
Start	976	End	1125
Name	OJ000118_02.0222.C13.o1.gs	Method	GENSCAN
Start	976	End	1125
GI	none	Score	.75
Exons	976..1125		

Seq. No.	6329	Seq. ID	OJ000118_02.0222.C14
Gene No.	13317	Strand	-
Start	260	End	354
Name	OJ000118_02.0222.C14.o1.gs	Method	GENSCAN
Start	260	End	354
GI	none	Score	.71
Exons	260..354		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051

Name	OJ000118_02.0222.C17.o1.gp	Method	AAT/GAP
Start	168	End	387
GI	LIB3434-043-P1-K1-E11	Score	344
Exons	168..387		
GI Descrip.	'3320104/emb CAA07481 6.0e-56 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051
Name	OJ000118_02.0222.C17.o1.np	Method	AAT/NAP
Start	175	End	1051
GI	3320104	Score	967
Exons	175..1051		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051
Name	OJ000118_02.0222.C17.o1.gs	Method	GENSCAN
Start	189	End	939
GI	none	Score	1
Exons	189..939		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	173	End	1051
GI	none	Score	418
Exons	173..631, 175..717, 833..865, 838..864, 971..1021, 993..1022, 1025..1051		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	175	End	690
GI	none	Score	350
Exons	175..690, 188..631		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	184	End	658
GI	none	Score	545
Exons	184..657, 188..631, 542..658		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	238	End	508
GI	none	Score	290
Exons	238..507, 239..508		

Seq. No. 6330
 Gene No. 13319
 Start 1383
 Name OJ000118_02.0222.C17.o2.gp
 Start 1383
 GI 2443140
 Exons 1383..1659

Seq. ID OJ000118_02.0222.C17
 Strand -
 End 1659
 Method AAT/GAP
 End 1659
 Score 513

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o3.ts
 Start 2
 GI none
 Exons 2..358, 3..371

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Soybean
 End 371
 Score 113

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o5.tm
 Start 2
 GI none
 Exons 2..265, 3..263, 5..265

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Maize
 End 265
 Score 218

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o2.tm
 Start 266
 GI none
 Exons 266..658, 267..665

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Maize
 End 665
 Score 424

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o1.ts
 Start 504
 GI 5509260
 Exons 504..665, 506..658, 675..866,
 GI Descrip. -

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Soybean
 End 1091
 Score 136

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o2.tw
 Start 512
 GI none
 Exons 512..640, 518..658, 531..665, 687..845, 693..842, 700..843, 700..846, 876..950

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Wheat
 End 950
 Score 59

Seq. No. 6331
 Gene No. 13320
 Start 2
 Name OJ000108_34.0301.C4.o4.tm
 Start 799
 GI none
 Exons 799..1089, 801..1118

Seq. ID OJ000108_34.0301.C4
 Strand
 End 1118
 Method TBLASTX:Maize
 End 1118
 Score 273

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1997
GI	none	Score	506
Exons	1125..1925, 1252..1791, 1257..1877, 1924..1992, 1926..1997		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o3.tw	Method	TBLASTX:Wheat
Start	1230	End	1574
GI	none	Score	102
Exons	1230..1310, 1321..1485, 1332..1496, 1335..1499, 1485..1574, 1488..1574		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o2.ts	Method	TBLASTX:Soybean
Start	1356	End	1794
GI	none	Score	105
Exons	1356..1790, 1440..1793, 1627..1794		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tc	Method	TBLASTX:Cress
Start	1359	End	1781
GI	none	Score	229
Exons	1359..1781		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tw	Method	TBLASTX:Wheat
Start	1662	End	2234
GI	none	Score	109
Exons	1662..1946, 1663..1788, 1665..1934, 1870..1950, 1931..1975, 1950..1973, 1979..2053, 1986..2234, 2002..2226		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o3.tm	Method	TBLASTX:Maize
Start	1998	End	2393
GI	none	Score	262
Exons	1998..2270, 1999..2274, 2274..2393, 2278..2385		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13322	Strand	
Start	2301	End	2734
Name	OJ000108_34.0301.C4.o4.tw	Method	TBLASTX:Wheat
Start	2301	End	2612
GI	none	Score	69

Exons 2301..2612, 2401..2526

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13322	Strand	
Start	2301	End	2734
Name	OJ000108_34.0301.C4.o6.tm	Method	TBLASTX:Maize
Start	2394	End	2734
GI	none	Score	131
Exons	2394..2636, 2395..2631, 2656..2733, 2660..2734		

Seq. No.	6332	Seq. ID	OJ000108_34.0301.C7
Gene No.	13323	Strand	-
Start	890	End	1455
Name	OJ000108_34.0301.C7.o1.gp	Method	AAT/GAP
Start	890	End	1455
GI	4879016	Score	889
Exons	890..1455		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6333	Seq. ID	OJ000108_34.0301.C9
Gene No.	13324	Strand	
Start	172	End	692
Name	OJ000108_34.0301.C9.o1.tw	Method	TBLASTX:Wheat
Start	172	End	565
GI	none	Score	40
Exons	172..234, 191..235, 230..565, 270..482		

Seq. No.	6333	Seq. ID	OJ000108_34.0301.C9
Gene No.	13324	Strand	
Start	172	End	692
Name	OJ000108_34.0301.C9.o1.tm	Method	TBLASTX:Maize
Start	254	End	692
GI	none	Score	232
Exons	254..691, 270..692, 597..692		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13325	Strand	
Start	9	End	418
Name	OJ000108_34.0301.C10.o1.tw	Method	TBLASTX:Wheat
Start	9	End	389
GI	none	Score	122
Exons	9..197, 18..197, 19..198, 197..388, 198..389		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13325	Strand	
Start	9	End	418
Name	OJ000108_34.0301.C10.o1.tm	Method	TBLASTX:Maize
Start	18	End	418
GI	none	Score	63
Exons	18..197, 197..418, 315..416		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13326	Strand	
Start	506	End	926
Name	OJ000108_34.0301.C10.o3.tw	Method	TBLASTX:Wheat

Start	506	End	926
GI	none	Score	74
Exons	506..691, 576..671, 716..925, 783..926		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13327	Strand	
Start	1283	End	1634
Name	OJ000108_34.0301.C10.o2.tw	Method	TBLASTX:Wheat
Start	1283	End	1634
GI	none	Score	102
Exons	1283..1633, 1440..1634		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13327	Strand	
Start	1283	End	1634
Name	OJ000108_34.0301.C10.o2.tm	Method	TBLASTX:Maize
Start	1328	End	1633
GI	none	Score	86
Exons	1328..1633, 1455..1619		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13328	Strand	
Start	1667	End	1867
Name	OJ000108_34.0301.C10.o4.tw	Method	TBLASTX:Wheat
Start	1667	End	1867
GI	none	Score	57
Exons	1667..1759, 1668..1865, 1670..1867		

Seq. No.	6335	Seq. ID	OJ000108_34.0301.C12
Gene No.	13329	Strand	+
Start	352	End	838
Name	OJ000108_34.0301.C12.o1.gp	Method	AAT/GAP
Start	352	End	838
GI	uC-osf1M202095f12b1	Score	930
Exons	352..838		
GI Descrip.	'4454031/emb CAA23028.1 1.0e-10 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	6335	Seq. ID	OJ000108_34.0301.C12
Gene No.	13329	Strand	+
Start	352	End	838
Name	OJ000108_34.0301.C12.o1.tm	Method	TBLASTX:Maize
Start	577	End	793
GI	none	Score	241
Exons	577..780, 577..792, 578..793, 584..793		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260
Name	OJ000108_34.0301.C16.o2.ts	Method	TBLASTX:Soybean
Start	447	End	935
GI	none	Score	166
Exons	447..536, 547..933, 628..849, 630..935		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260

Name	OJ000108_34.0301.C16.o4.tw	Method	TBLASTX:Wheat
Start	804	End	1259
GI	none	Score	37
Exons	804..1259, 814..876, 901..945, 1024..1254		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260
Name	OJ000108_34.0301.C16.o4.ts	Method	TBLASTX:Soybean
Start	936	End	1260
GI	none	Score	182
Exons	936..1220, 937..1221, 1218..1259, 1219..1260		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1664
GI	none	Score	67
Exons	1281..1538, 1281..1583, 1605..1664		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o5.tw	Method	TBLASTX:Wheat
Start	1377	End	1847
GI	none	Score	92
Exons	1377..1580, 1584..1655, 1647..1847, 1713..1844, 1714..1845		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o5.ts	Method	TBLASTX:Soybean
Start	1707	End	1841
GI	none	Score	79
Exons	1707..1841, 1720..1827, 1725..1841		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o3.tw	Method	TBLASTX:Wheat
Start	1860	End	2164
GI	none	Score	39
Exons	1860..2159, 1861..1914, 1931..2164, 1975..2160		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	1884	End	2432
GI	none	Score	124
Exons	1884..2027, 2019..2432, 2020..2289		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o3.ts	Method	TBLASTX:Soybean

Start	1971	End	2306
GI	none	Score	135
Exons	1971..2240, 1972..2241, 2019..2240, 2042..2242, 2241..2306		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.tw	Method	TBLASTX:Wheat
Start	2166	End	2597
GI	none	Score	267
Exons	2166..2597, 2176..2481, 2190..2576, 2545..2595		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o2.tm	Method	TBLASTX:Maize
Start	2469	End	2810
GI	none	Score	223
Exons	2469..2810		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.ts	Method	TBLASTX:Soybean
Start	2673	End	3098
GI	none	Score	115
Exons	2673..3098, 2685..3002, 2824..3072		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o2.tw	Method	TBLASTX:Wheat
Start	2694	End	3098
GI	none	Score	184
Exons	2694..3098, 2812..3081		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13333	Strand	
Start	4273	End	4623
Name	OJ000108_34.0301.C16.o6.tw	Method	TBLASTX:Wheat
Start	4273	End	4623
GI	none	Score	206
Exons	4273..4623		

Seq. No.	6337	Seq. ID	OJ000108_34.0301.C17
Gene No.	13334	Strand	
Start	329	End	1287
Name	OJ000108_34.0301.C17.o1.tm	Method	TBLASTX:Maize
Start	329	End	1287
GI	none	Score	166
Exons	329..436, 334..666, 497..649, 1139..1276, 1142..1276, 1144..1284, 1228..1287		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13335	Strand	
Start	256	End	473
Name	OJ000108_34.0301.C21.o1.tm	Method	TBLASTX:Maize

Start	256	End	473
GI	none	Score	97
Exons	256..324, 260..322, 330..473, 332..424		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13335	Strand	
Start	256	End	473
Name	OJ000108_34.0301.C21.o2.ts	Method	TBLASTX:Soybean
Start	256	End	473
GI	none	Score	95
Exons	256..324, 260..322, 329..406, 330..473, 331..402, 332..406		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13336	Strand	
Start	652	End	1177
Name	OJ000108_34.0301.C21.o1.tc	Method	TBLASTX:Cress
Start	652	End	1177
GI	none	Score	129
Exons	652..843, 656..772, 1043..1120, 1127..1177		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13336	Strand	
Start	652	End	1177
Name	OJ000108_34.0301.C21.o1.ts	Method	TBLASTX:Soybean
Start	662	End	843
GI	none	Score	102
Exons	662..838, 664..843		

Seq. No.	6339	Seq. ID	OJ000108_34.0301.C22
Gene No.	13337	Strand	-
Start	3076	End	3504
Name	OJ000108_34.0301.C22.o1.gp	Method	AAT/GAP
Start	3076	End	3504
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	3076..3162, 3467..3504		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13338	Strand	-
Start	1	End	404
Name	OJ000108_34.0301.C23.o1.gp	Method	AAT/GAP
Start	1	End	404
GI	LIB3434-038-P1-K1-F1	Score	717
Exons	1..404		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o2.tm	Method	TBLASTX:Maize
Start	2595	End	2832
GI	none	Score	68
Exons	2595..2831, 2704..2832		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o1.tw	Method	TBLASTX:Wheat
Start	2640	End	3062
GI	none	Score	133
Exons	2640..3062, 2749..3042		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o1.tm	Method	TBLASTX:Maize
Start	2832	End	3224
GI	none	Score	184
Exons	2832..3224, 2833..3222		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o2.tw	Method	TBLASTX:Wheat
Start	3066	End	3224
GI	none	Score	77
Exons	3066..3224, 3070..3222		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13340	Strand	+
Start	2365	End	2619
Name	OJ000108_34.0301.C24.o1.gp	Method	AAT/GAP
Start	2365	End	2619
GI	61605_3.R1084	Score	430
Exons	2365..2619		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13341	Strand	+
Start	5471	End	5833
Name	OJ000108_34.0301.C24.o3.gp	Method	AAT/GAP
Start	5471	End	5833
GI	uC-osflcyp162a07a1	Score	421
Exons	5471..5631, 5731..5833		
GI Descrip.	'4680179/gb AAD27547.1 AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13342	Strand	+
Start	6464	End	7137
Name	OJ000108_34.0301.C24.o4.gp	Method	AAT/GAP
Start	6464	End	7137
GI	LIB3475-004-P1-K2-A5	Score	417
Exons	6464..6557, 6974..7137		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13343	Strand	-
Start	3116	End	3815

Name	OJ000108_34.0301.C24.o2.gp	Method	AAT/GAP
Start	3116	End	3815
GI	101153.1.R1084	Score	600
Exons	3116..3308, 3626..3815		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o2.ts	Method	TBLASTX:Soybean
Start	2	End	194
GI	none	Score	64
Exons	2..181, 2..193, 6..194		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o2.tw	Method	TBLASTX:Wheat
Start	2	End	482
GI	none	Score	292
Exons	2..481, 6..482		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o4.tm	Method	TBLASTX:Maize
Start	2	End	343
GI	none	Score	75
Exons	2..343, 30..131, 179..232		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o1.tw	Method	TBLASTX:Wheat
Start	482	End	985
GI	none	Score	304
Exons	482..985, 561..977		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o1.tm	Method	TBLASTX:Maize
Start	560	End	913
GI	none	Score	215
Exons	560..913, 561..911		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o3.ts	Method	TBLASTX:Soybean
Start	734	End	979
GI	none	Score	194
Exons	734..979		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-

Start 11295
 Name OJ000108_34.0301.C24.o3.tm
 Start 920
 GI none
 Exons 920..1267, 921..1265

End 11676
 Method TBLASTX:Maize
 End 1267
 Score 140

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o4.tw
 Start 986
 GI none
 Exons 986..1288, 1002..1286

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Wheat
 End 1288
 Score 262

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o1.ts
 Start 1001
 GI none
 Exons 1001..1360, 1002..1289, 1031..1366, 1364..1396, 1365..1394

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Soybean
 End 1396
 Score 208

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o2.tm
 Start 1283
 GI none
 Exons 1283..1750

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Maize
 End 1750
 Score 385

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o3.tw
 Start 1337
 GI none
 Exons 1337..1819, 1341..1484, 1370..1699, 1512..1808

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Wheat
 End 1819
 Score 84

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o7.tm
 Start 1754
 GI none
 Exons 1754..1915, 1755..1916

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Maize
 End 1916
 Score 142

Seq. No. 6341
 Gene No. 13344
 Start 11295
 Name OJ000108_34.0301.C24.o6.tw
 Start 1991
 GI none
 Exons 1991..2113, 1997..2113, 2147..2365, 2215..2316, 2247..2351

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676
 Method TBLASTX:Wheat
 End 2365
 Score 49

Seq. No. 6341
 Gene No. 13344
 Start 11295

Seq. ID OJ000108_34.0301.C24
 Strand -
 End 11676

Name	OJ000108_34.0301.C24.o6.tm	Method	TBLASTX:Maize
Start	2051	End	2365
GI	none	Score	79
Exons	2051..2365, 2226..2327		
Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.tm	Method	TBLASTX:Maize
Start	5390	End	7818
GI	none	Score	89
Exons	5390..5650, 5466..5630, 7519..7818		
Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.tw	Method	TBLASTX:Wheat
Start	5390	End	7818
GI	none	Score	142
Exons	5390..5656, 5460..5630, 5461..5658, 7519..7818, 7624..7791		
Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.gp	Method	AAT/GAP
Start	11295	End	11676
GI	uC-osflcyp033a04b1	Score	663
Exons	11295..11676		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13345	Strand	-
Start	125	End	346
Name	OJ000108_34.0301.C26.o3.tw	Method	TBLASTX:Wheat
Start	125	End	346
GI	none	Score	85
Exons	125..346, 128..325, 165..338		
Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	-
Start	347	End	850
Name	OJ000108_34.0301.C26.o1.tw	Method	TBLASTX:Wheat
Start	347	End	850
GI	none	Score	354
Exons	347..850, 381..818		
Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	-
Start	347	End	850
Name	OJ000108_34.0301.C26.o1.tm	Method	TBLASTX:Maize
Start	416	End	779
GI	none	Score	162
Exons	416..778, 425..778, 429..779		
Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	-

Start	347	End	850
Name	OJ000108_34.0301.C26.o2.ts	Method	TBLASTX:Soybean
Start	599	End	841
GI	none	Score	97
Exons	599..841, 600..827		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o2.tm	Method	TBLASTX:Maize
Start	785	End	1129
GI	none	Score	87
Exons	785..886, 867..995, 875..1129		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1150
GI	none	Score	138
Exons	854..1135, 854..1150, 873..1148		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o2.tw	Method	TBLASTX:Wheat
Start	872	End	1150
GI	none	Score	248
Exons	872..1150, 873..1148, 878..1150		

Seq. No.	6343	Seq. ID	OJ000108_34.0301.C27
Gene No.	13348	Strand	
Start	108	End	497
Name	OJ000108_34.0301.C27.o1.tw	Method	TBLASTX:Wheat
Start	108	End	485
GI	none	Score	58
Exons	108..440, 208..402, 417..485		

Seq. No.	6343	Seq. ID	OJ000108_34.0301.C27
Gene No.	13348	Strand	
Start	108	End	497
Name	OJ000108_34.0301.C27.o1.tc	Method	TBLASTX:Cress
Start	146	End	497
GI	none	Score	76
Exons	146..298, 147..449, 148..297, 453..497		

Seq. No.	6344	Seq. ID	OJ000108_34.0301.C28
Gene No.	13349	Strand	
Start	10	End	435
Name	OJ000108_34.0301.C28.o1.ts	Method	TBLASTX:Soybean
Start	10	End	435
GI	none	Score	149
Exons	10..435, 161..409		

Seq. No.	6344	Seq. ID	OJ000108_34.0301.C28
Gene No.	13349	Strand	
Start	10	End	435

Name	OJ000108_34.0301.C28.ol.tw	Method	TBLASTX:Wheat
Start	31	End	435
GI	none	Score	164
Exons	31..435, 149..418		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.ol.tc	Method	TBLASTX:Cress
Start	5211	End	5486
GI	none	Score	215
Exons	5211..5486, 5303..5383		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.ol.tm	Method	TBLASTX:Maize
Start	5211	End	5752
GI	none	Score	333
Exons	5211..5486, 5213..5485, 5272..5487, 5627..5752		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.ol.ts	Method	TBLASTX:Soybean
Start	5214	End	5480
GI	none	Score	231
Exons	5214..5480, 5214..5465, 5264..5470		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.ol.tw	Method	TBLASTX:Wheat
Start	5624	End	5989
GI	none	Score	202
Exons	5624..5989		

Seq. No.	6346	Seq. ID	OJ000108_34.0301.C33
Gene No.	13351	Strand	+
Start	1038	End	1455
Name	OJ000108_34.0301.C33.ol.gp	Method	AAT/GAP
Start	1038	End	1455
GI	uC-osroM202011h09b1	Score	800
Exons	1038..1455		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6347	Seq. ID	OJ000208_26.0302.C2
Gene No.	13352	Strand	+
Start	185	End	344
Name	OJ000208_26.0302.C2.ol.gs	Method	GENSCAN
Start	185	End	344
GI	none	Score	.42
Exons	185..344		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
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Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o2.gs	Method	GENSCAN
Start	9124	End	12645
GI	none	Score	.73
Exons	9124..9203, 9347..9598, 10163..10231, 10327..10462, 10825..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12645		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o1.gp	Method	AAT/GAP
Start	9299	End	12774
GI	52_1.R1084	Score	2882
Exons	9299..9598, 10163..10231, 10327..10462, 10882..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12646, 12749..12774		
GI Descrip.	'3062907/dbj BAA25729 0.0e+00 (AB012107) myo-inositol phosphate synthase [Oryza sativa]'		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o2.np	Method	AAT/NAP
Start	9411	End	12774
GI	3062907	Score	2185
Exons	9411..9598, 10163..10231, 10327..10462, 10882..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12645, 12748..12774		
GI Descrip.	(AB012107) myo-inositol phosphate synthase [Oryza sativa]		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o1.np	Method	AAT/NAP
Start	1	End	2230
GI	6561960	Score	1315
Exons	1..583, 672..927, 1420..2016, 2144..2230		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.tm	Method	TBLASTX:Maize
Start	371	End	1535
GI	none	Score	206
Exons	371..595, 373..585, 374..586, 468..596, 672..929, 672..929, 1384..1533, 1407..1484, 1419..1535, 1448..1519		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o3.tw	Method	TBLASTX:Wheat
Start	371	End	518
GI	none	Score	183
Exons	371..517, 372..518, 373..510, 374..511		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o1.gs	Method	GENSCAN
Start	399	End	5204
GI	none	Score	.56
Exons	399..583, 672..927, 1420..1850, 2243..2280, 2348..2414, 2449..2514, 4330..4523, 4905..5006, 5012..5204		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.tc	Method	TBLASTX:Cress
Start	1422	End	1840
GI	none	Score	38
Exons	1422..1472, 1423..1473, 1480..1827, 1487..1840, 1531..1776, 1542..1838		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.ts	Method	TBLASTX:Soybean
Start	1485	End	1737
GI	none	Score	193
Exons	1485..1736, 1486..1737, 1487..1735, 1542..1736		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o3.tm	Method	TBLASTX:Maize
Start	1592	End	1994
GI	none	Score	282
Exons	1592..1984, 1593..1994, 1594..1989		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	-
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tc	Method	TBLASTX:Cress
Start	9392	End	12774
GI	none	Score	122
Exons	9392..9505, 9393..9512, 9519..9599, 10163..10231, 10164..10232, 10298..10465, 10327..10464, 10328..10465, 10881..11129, 10882..11130, 11479..11712, 11479..11697, 11480..11701, 11526..11744, 11781..11894, 11782..11910, 11788..11898, 12011..12190, 12014..12226, 12272..12472, 12283..12483, 12283..12471, 12582..12647, 12585..12647, 12586..12648, 12748..12774		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	-
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	9402	End	12774
GI	none	Score	297
Exons	9402..9599, 9404..9598, 10159..10230, 10162..10230, 10163..10231, 10164..10232, 10298..10465, 10327..10479,		

10332..10469, 10881..11018, 10881..11129, 10882..11130,
 11073..11123, 11479..11712, 11479..11694, 11480..11707,
 11523..11744, 11781..11897, 11782..11910, 11782..11898,
 12010..12147, 12012..12143, 12012..12182, 12014..12226,
 12272..12469, 12272..12466, 12282..12473, 12283..12477,
 12283..12477, 12581..12640, 12582..12641, 12582..12647,
 12583..12648, 12748..12774

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o2.tw	Method	TBLASTX:Wheat
Start	9408	End	10197
GI	none	Score	202
Exons	9408..9536, 9410..9529, 9537..9599, 9539..9601, 10162..10197		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o3.ts	Method	TBLASTX:Soybean
Start	9410	End	11046
GI	none	Score	212
Exons	9410..9598, 9411..9599, 10138..10200, 10163..10231, 10164..10232, 10298..10465, 10327..10464, 10328..10465, 10335..10475, 10875..11045, 10881..11045, 10882..11046, 10882..11046		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.ts	Method	TBLASTX:Soybean
Start	11047	End	12774
GI	none	Score	111
Exons	11047..11130, 11049..11129, 11478..11702, 11479..11712, 11480..11701, 11523..11744, 11781..11879, 11781..11894, 11782..11910, 12013..12147, 12014..12226, 12030..12209, 12272..12472, 12283..12465, 12585..12647, 12586..12648, 12748..12774, 12748..12774		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tw	Method	TBLASTX:Wheat
Start	12059	End	12648
GI	none	Score	211
Exons	12059..12226, 12059..12190, 12245..12472, 12272..12472, 12283..12477, 12283..12477, 12580..12648, 12582..12647		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13356	Strand	+
Start	3334	End	4823
Name	OJ000208_26.0302.C4.o1.gp	Method	AAT/GAP
Start	3108	End	3697
GI	29900_1.R1084	Score	1107
Exons	3108..3697		
GI Descrip.	'4263771/gb AAD15432 5.0e-21 (AC006218) putative nonspecific lipid-transfer protein precursor [Arabidopsis thaliana]		

>gi_4726121_gb_AAD28321.1_AC006436_12 (AC006436) putative nonspecific lipid-transfer protein precursor [Arabidopsis thaliana]'

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13356	Strand	+
Start	3334	End	4823
Name	OJ000208_26.0302.C4.o2.gs	Method	GENSCAN
Start	3334	End	4823
GI	none	Score	.73
Exons	3334..3697, 3828..3860, 4618..4823		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13357	Strand	+
Start	14798	End	17754
Name	OJ000208_26.0302.C4.o4.gp	Method	AAT/GAP
Start	14798	End	17754
GI	15371_1.R1084	Score	2516
Exons	14798..15220, 16771..16842, 16933..17754		
GI Descrip.	'2924772 3.0e-62 (AC002334) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13357	Strand	+
Start	14798	End	17754
Name	OJ000208_26.0302.C4.o1.np	Method	AAT/NAP
Start	15006	End	17074
GI	2924772	Score	543
Exons	15006..15220, 16771..16842, 16933..17074		
GI Descrip.	(AC002334) unknown protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13358	Strand	+
Start	22496	End	26758
Name	OJ000208_26.0302.C4.o6.gs	Method	GENSCAN
Start	22496	End	26758
GI	none	Score	.42
Exons	22496..22719, 24793..24877, 25140..25261, 26396..26568, 26628..26758		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13359	Strand	+
Start	27068	End	30880
Name	OJ000208_26.0302.C4.o7.gs	Method	GENSCAN
Start	27068	End	30672
GI	none	Score	.64
Exons	27068..27281, 27419..27488, 27617..27732, 28568..29201, 30421..30512, 30653..30672		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13359	Strand	+
Start	27068	End	30880
Name	OJ000208_26.0302.C4.o2.np	Method	AAT/NAP
Start	27080	End	30880
GI	4063743	Score	209
Exons	27080..27286, 27400..27488, 27617..27732, 30855..30880		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o6.gp	Method	AAT/GAP
Start	36362	End	38352
GI	uC-osf1M202048a11b1	Score	992
Exons	36362..36725, 37586..37710, 38306..38352		
GI Descrip.	'4726122/gb AAD28322.1 AC006436_13 1.0e-28 (AC006436) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o4.np	Method	AAT/NAP
Start	36420	End	38939
GI	4263770	Score	747
Exons	36420..36725, 37586..37705, 38313..38620, 38717..38939		
GI Descrip.	(AC006218) unknown protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o9.gs	Method	GENSCAN
Start	36432	End	37193
GI	none	Score	.67
Exons	36432..36725, 37176..37193		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o10.gs	Method	GENSCAN
Start	38541	End	40203
GI	none	Score	.92
Exons	38541..38620, 38717..38886, 39011..39357, 40198..40203		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13361	Strand	-
Start	517	End	1613
Name	OJ000208_26.0302.C4.o1.gs	Method	GENSCAN
Start	517	End	1613
GI	none	Score	.89
Exons	517..978, 1488..1613		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13362	Strand	-
Start	5505	End	6374
Name	OJ000208_26.0302.C4.o2.gp	Method	AAT/GAP
Start	5473	End	6374
GI	2643_2.R1084	Score	1075
Exons	5473..5672, 5780..5908, 6010..6153, 6242..6374		
GI Descrip.	'4490317/emb CAB38808.1 2.0e-35 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13362	Strand	-
Start	5505	End	6374

Name	OJ000208_26.0302.C4.o3.gs	Method	GENSCAN
Start	5505	End	6355
GI	none	Score	.84
Exons	5505..5672, 5780..5908, 6010..6153, 6242..6355		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13363	Strand	-
Start	7339	End	9949
Name	OJ000208_26.0302.C4.o4.gs	Method	GENSCAN
Start	7339	End	9949
GI	none	Score	.75
Exons	7339..7355, 7411..7532, 8420..8481, 8984..9949		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13363	Strand	-
Start	7339	End	9949
Name	OJ000208_26.0302.C4.o3.gp	Method	AAT/GAP
Start	7464	End	9659
GI	none	Score	1560
Exons	7464..7498, 8133..8202, 8420..8481, 8984..9659		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o2.tc	Method	TBLASTX:Cress
Start	3454	End	3693
GI	none	Score	249
Exons	3454..3693, 3474..3677		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o4.ts	Method	TBLASTX:Soybean
Start	3454	End	3693
GI	none	Score	257
Exons	3454..3693, 3480..3689		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	5518	End	9106
GI	none	Score	97
Exons	5518..5682, 5520..5672, 5547..5684, 5557..5673, 5759..5911, 5763..5912, 6010..6180, 6017..6148, 6242..6316, 6242..6358, 6246..6359, 6355..6411, 6358..6411, 6362..6418, 7407..7505, 7409..7501, 8130..8204, 8990..9106		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.ts	Method	TBLASTX:Soybean
Start	5538	End	5906
GI	none	Score	67
Exons	5538..5660, 5547..5675, 5557..5673, 5783..5905, 5783..5905, 5784..5906		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.ts	Method	TBLASTX:Soybean
Start	6028	End	7501
GI	none	Score	110
Exons	6028..6180, 6029..6193, 6239..6319, 6286..6348, 6355..6411, 6431..6490, 7407..7496, 7409..7501, 7412..7501		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o6.tm	Method	TBLASTX:Maize
Start	9107	End	9692
GI	none	Score	106
Exons	9107..9310, 9107..9310, 9107..9241, 9111..9236, 9387..9473, 9387..9470, 9450..9548, 9555..9692, 9566..9670		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.tm	Method	TBLASTX:Maize
Start	14991	End	16846
GI	none	Score	347
Exons	14991..15221, 14996..15235, 16758..16841, 16766..16846, 16771..16842		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	14993	End	17041
GI	none	Score	335
Exons	14993..15217, 14994..15221, 16778..16852, 16780..16842, 16930..16971, 16931..16996, 16972..17007, 16979..17008, 17012..17041		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o2.ts	Method	TBLASTX:Soybean
Start	15002	End	17101
GI	none	Score	357
Exons	15002..15217, 15003..15221, 16754..16837, 16765..16842, 16772..16846, 16930..17076, 16931..17062, 16931..17101, 16932..17090		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o7.tm	Method	TBLASTX:Maize
Start	16930	End	17259
GI	none	Score	202
Exons	16930..17082, 16931..17083, 17108..17143, 17110..17142, 17215..17259, 17226..17258		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
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Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o8.gs	Method	GENSCAN
Start	33353	End	35914
GI	none	Score	.82
Exons	33353..33626, 33735..33830, 33907..34019, 34101..34355, 34446..34796, 35407..35537, 35647..35914		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.np	Method	AAT/NAP
Start	33374	End	36514
GI	4006820	Score	670
Exons	33374..33626, 33735..33830, 33901..34014, 34090..34355, 34446..34726, 35430..35537, 35647..35818, 36338..36514		
GI Descrip.	(AC005970) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	33395	End	35818
GI	none	Score	73
Exons	33395..33529, 33396..33521, 33521..33628, 33737..33805, 33927..34010, 34125..34232, 34239..34355, 34443..34640, 34444..34710, 34674..34721, 35437..35538, 35438..35539, 35628..35795, 35645..35818		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.tm	Method	TBLASTX:Maize
Start	33395	End	35838
GI	none	Score	80
Exons	33395..33628, 33447..33629, 33737..33814, 33936..34025, 34137..34229, 34239..34355, 34443..34691, 34501..34692, 34674..34721, 34678..34722, 35432..35539, 35437..35538, 35628..35795, 35645..35809, 35773..35838		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.gp	Method	AAT/GAP
Start	33442	End	34794
GI	29266_1.R1084	Score	1834
Exons	33442..33626, 33735..33830, 33907..34019, 34101..34355, 34446..34794		
GI Descrip.	'1706082/sp P52711 CP23_HORVU 2.0e-69 SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) >gi_629787_pir_S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley >gi_619350_bbs_153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] >gi_474392_emb_CAA55478.1_ (X78877) serine carboxylase II-3 [Hordeum vulgare]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o4.tc	Method	TBLASTX:Cress
Start	33536	End	34631
GI	none	Score	63
Exons	33536..33628, 33737..33811, 33909..33938, 33939..34010, 34110..34361, 34488..34631, 34501..34563		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.tc	Method	TBLASTX:Cress
Start	34569	End	35821
GI	none	Score	74
Exons	34569..34607, 34674..34721, 35432..35539, 35437..35538, 35645..35674, 35693..35821		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13365	Strand	-
Start	37595	End	38749
Name	OJ000208_26.0302.C4.o2.tm	Method	TBLASTX:Maize
Start	37595	End	38749
GI	none	Score	179
Exons	37595..37711, 37597..37707, 38303..38617, 38303..38620, 38304..38618, 38714..38749, 38715..38747, 38716..38748		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13366	Strand	-
Start	39033	End	39331
Name	OJ000208_26.0302.C4.o4.tm	Method	TBLASTX:Maize
Start	39033	End	39331
GI	none	Score	354
Exons	39033..39326, 39034..39330, 39035..39331		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.np	Method	AAT/NAP
Start	1475	End	3482
GI	6573771	Score	392
Exons	1475..1536, 2905..3368, 3399..3482		
GI Descrip.	(AC009243) F28K19.29 [Arabidopsis thaliana]		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.gp	Method	AAT/GAP
Start	2501	End	2900
GI	none	Score	738
Exons	2501..2900		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	2912	End	3179

GI	none	Score	331
Exons	2912..3103, 2913..3125, 3129..3179		
Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	2912	End	3476
GI	none	Score	316
Exons	2912..3124, 2913..3125, 3129..3179, 3347..3469, 3417..3476		
Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	2919	End	3179
GI	none	Score	397
Exons	2919..3179, 2919..3080, 2921..3172, 3089..3163		
Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	2925	End	3095
GI	none	Score	190
Exons	2925..3095, 2925..3074		
Seq. No.	6351	Seq. ID	OJ000208_26.0302.C6
Gene No.	13368	Strand	-
Start	3588	End	3995
Name	OJ000208_26.0302.C6.o2.gs	Method	GENSCAN
Start	3588	End	3995
GI	none	Score	1
Exons	3588..3995		
Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13369	Strand	+
Start	210	End	323
Name	OJ000208_26.0302.C7.o1.gs	Method	GENSCAN
Start	210	End	323
GI	none	Score	.61
Exons	210..323		
Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13370	Strand	+
Start	1292	End	4744
Name	OJ000208_26.0302.C7.o1.np	Method	AAT/NAP
Start	1292	End	4744
GI	6587864	Score	344
Exons	1292..1318, 3682..3956, 4147..4309, 4706..4744		
GI Descrip.	(AC012680) putative RNA-binding protein [Arabidopsis thaliana]		
Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13370	Strand	+
Start	1292	End	4744
Name	OJ000208_26.0302.C7.o2.gs	Method	GENSCAN
Start	2521	End	4309

GI none
Exons 2521..3956, 4147..4309

Score .89

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o1.gp Method AAT/GAP
Start 2397 End 2896
GI uC-osflcyp172b11a1 Score 758
Exons 2397..2752, 2860..2896
GI Descrip. '623586 3.0e-16 (L29273) putative [Nicotiana tabacum]'

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o1.tm Method TBLASTX:Maize
Start 2539 End 2955
GI none Score 93
Exons 2539..2589, 2577..2666, 2582..2656, 2583..2753, 2603..2755,
2653..2754, 2823..2942, 2860..2955, 2860..2952

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o1.tc Method TBLASTX:Cress
Start 2567 End 2968
GI none Score 86
Exons 2567..2617, 2663..2749, 2667..2750, 2675..2755, 2849..2968,
2860..2952

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o2.gs Method GENSCAN
Start 2588 End 2950
GI none Score .81
Exons 2588..2752, 2860..2950

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o1.np Method AAT/NAP
Start 2591 End 3084
GI 3341681 Score 172
Exons 2591..2752, 2860..2967, 3055..3084
GI Descrip. (AC003672) putative small GTP-binding protein [Arabidopsis
thaliana] gi|741994|prf||2008312A GTP-binding protein
[Arabidopsis thaliana]

Seq. No. 6353 Seq. ID OJ000208_26.0302.C8
Gene No. 13371 Strand -
Start 2588 End 3084
Name OJ000208_26.0302.C8.o1.ts Method TBLASTX:Soybean
Start 2663 End 2968
GI none Score 99
Exons 2663..2749, 2667..2747, 2849..2968, 2860..2952

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13372	Strand	+
Start	1943	End	6372
Name	OJ000208_26.0302.C9.o2.gs	Method	GENSCAN
Start	1943	End	6372
GI	none	Score	.59
Exons	1943..1999, 2606..2800, 2869..3123, 4172..4329, 5273..5354, 5377..5843, 6189..6372		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.np	Method	AAT/NAP
Start	1	End	1268
GI	3341681	Score	469
Exons	1..205, 454..546, 938..1008, 1149..1268		
GI Descrip.	(AC003672) putative small GTP-binding protein [Arabidopsis thaliana] gi 741994 prf 2008312A GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.gs	Method	GENSCAN
Start	98	End	1268
GI	none	Score	.98
Exons	98..209, 955..1066, 1149..1268		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.gp	Method	AAT/GAP
Start	779	End	1474
GI	uC-osflcyp172b11b1	Score	1064
Exons	779..1008, 1149..1474		
GI Descrip.	'4567198/gb AAD23614.1 AC007168_5 8.0e-25 (AC007168) putative GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13374	Strand	-
Start	6480	End	8052
Name	OJ000208_26.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	88	End	1264
GI	none	Score	146
Exons	88..213, 89..208, 453..575, 462..548, 463..588, 937..1011, 938..1009, 1144..1224, 1149..1247, 1149..1247, 1150..1260, 1199..1264		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13374	Strand	-
Start	6480	End	8052
Name	OJ000208_26.0302.C9.o3.gs	Method	GENSCAN
Start	6480	End	8052
GI	none	Score	.49
Exons	6480..6616, 6884..6942, 7874..8052		

Seq. No.	6355	Seq. ID	OJ000208_26.0302.C10
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Gene No.	13375	Strand	+
Start	607	End	1042
Name	OJ000208_26.0302.C10.o1.gs	Method	GENSCAN
Start	607	End	865
GI	none	Score	.99
Exons	607..865		
Seq. No.	6355	Seq. ID	OJ000208_26.0302.C10
Gene No.	13375	Strand	+
Start	607	End	1042
Name	OJ000208_26.0302.C10.o1.np	Method	AAT/NAP
Start	607	End	1042
GI	2842704	Score	153
Exons	607..869, 941..1042		
GI Descrip.	HYPOTHETICAL 73.3 KD PROTEIN C6G9.14 IN CHROMOSOME I gi 1644326 emb CAB03616.1 (Z81317) serine rich pumilio family rna binding domain pr otein [Schizosaccharomyces pombe]		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	210	End	573
GI	none	Score	179
Exons	210..572, 219..572, 223..573		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	219	End	644
GI	none	Score	238
Exons	219..581, 219..644, 223..612		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.np	Method	AAT/NAP
Start	225	End	1019
GI	4512237	Score	1291
Exons	225..1019		
GI Descrip.	(AB014746) polyprotein [Hordeum vulgare]		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.gs	Method	GENSCAN
Start	252	End	808
GI	none	Score	.94
Exons	252..808		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	393	End	638
GI	none	Score	90

Exons 393..638, 394..621

Seq. No. 6356
Gene No. 13376
Start 252
Name OJ990531_33.9819.C1.o2.tm
Start 579
GI none
Exons 579..926, 580..792

Seq. ID OJ990531_33.9819.C1
Strand -
End 1019
Method TBLASTX:Maize
End 926
Score 130

Seq. No. 6356
Gene No. 13376
Start 252
Name OJ990531_33.9819.C1.o2.tw
Start 645
GI none
Exons 645..947, 651..944, 661..945

Seq. ID OJ990531_33.9819.C1
Strand -
End 1019
Method TBLASTX:Wheat
End 947
Score 186

Seq. No. 6356
Gene No. 13376
Start 252
Name OJ990531_33.9819.C1.o1.ts
Start 660
GI none
Exons 660..932, 660..995, 661..951

Seq. ID OJ990531_33.9819.C1
Strand -
End 1019
Method TBLASTX:Soybean
End 995
Score 120

Seq. No. 6357
Gene No. 13377
Start 612
Name OJ990531_33.9819.C2.o1.gs
Start 612
GI none
Exons 612..735

Seq. ID OJ990531_33.9819.C2
Strand +
End 735
Method GENSCAN
End 735
Score .48

Seq. No. 6358
Gene No. 13378
Start 1057
Name OJ990531_33.9819.C3.o1.gs
Start 1057
GI none
Exons 1057..1104, 1809..2618

Seq. ID OJ990531_33.9819.C3
Strand +
End 2618
Method GENSCAN
End 2618
Score .94

Seq. No. 6358
Gene No. 13379
Start 2856
Name OJ990531_33.9819.C3.o2.np
Start 2856
GI 4680179
Exons 2856..3938, 3972..4431, 8637..11621
GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990531_33.9819.C3
Strand +
End 11621
Method AAT/NAP
End 11621
Score 5283

Seq. No. 6358
Gene No. 13379
Start 2856
Name OJ990531_33.9819.C3.o3.gp
Start 7578
GI uC-osflcyp033a04b1

Seq. ID OJ990531_33.9819.C3
Strand +
End 11621
Method AAT/GAP
End 7960
Score 660

Exons 7578..7960
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13379	Strand	+
Start	2856	End	11621
Name	OJ990531_33.9819.C3.o4.gs	Method	GENSCAN
Start	8965	End	11486
GI	none	Score	.62
Exons	8965..9376, 9455..11486		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13380	Strand	-
Start	822	End	4578
Name	OJ990531_33.9819.C3.o1.np	Method	AAT/NAP
Start	822	End	4578
GI	4680186	Score	289
Exons	822..1020, 1512..1565, 4559..4578		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13380	Strand	-
Start	822	End	4578
Name	OJ990531_33.9819.C3.o2.gp	Method	AAT/GAP
Start	889	End	988
GI	uC-osflcyp033a04b1	Score	169
Exons	889..988		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o9.tw	Method	TBLASTX:Wheat
Start	3069	End	3307
GI	none	Score	214
Exons	3069..3095, 3108..3305, 3110..3307		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	3341	End	3692
GI	none	Score	294
Exons	3341..3535, 3342..3692		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	3342	End	3647
GI	none	Score	230
Exons	3342..3647, 3356..3472		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-

Start	7005	End	8375
Name	OJ990531_33.9819.C3.o8.tw	Method	TBLASTX:Wheat
Start	3999	End	4366
GI	none	Score	157
Exons	3999..4208, 4055..4207, 4252..4365, 4253..4366		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o3.gs	Method	GENSCAN
Start	7005	End	8375
GI	none	Score	.8
Exons	7005..7111, 7558..7651, 8307..8375		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	8755	End	9141
GI	none	Score	257
Exons	8755..9141, 8763..8858, 8925..9083		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	8781	End	9267
GI	none	Score	52
Exons	8781..9224, 8785..8835, 8889..9011, 8890..9267		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	9154	End	9654
GI	none	Score	162
Exons	9154..9333, 9162..9281, 9340..9654, 9480..9524, 9561..9611		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	9208	End	9603
GI	none	Score	57
Exons	9208..9240, 9210..9239, 9244..9603, 9246..9281, 9312..9602		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	9316	End	9618
GI	none	Score	364
Exons	9316..9618, 9318..9602, 9319..9612		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053

Name	OJ990531_33.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	9619	End	10044
GI	none	Score	596
Exons	9619..10044, 9651..10040, 9682..10044		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053
Name	OJ990531_33.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	9625	End	9870
GI	none	Score	211
Exons	9625..9870, 9642..9869		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053
Name	OJ990531_33.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	9690	End	10053
GI	none	Score	481
Exons	9690..10040, 9691..10044, 9691..10053		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	10075	End	10611
GI	none	Score	654
Exons	10075..10611, 10131..10610		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	10318	End	10635
GI	none	Score	90
Exons	10318..10491, 10492..10635, 10494..10634		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	10399	End	10659
GI	none	Score	296
Exons	10399..10659, 10404..10658		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	10457	End	10749
GI	none	Score	81
Exons	10457..10612, 10458..10745, 10459..10749		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tw	Method	TBLASTX:Wheat

Start	10618	End	11244
GI	none	Score	697
Exons	10618..11244, 10674..11132, 10990..11241		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	10798	End	11397
GI	none	Score	231
Exons	10798..10959, 10806..10952, 10957..11397, 10959..11381		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	11244	End	11576
GI	none	Score	250
Exons	11244..11471, 11245..11472, 11472..11576		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13385	Strand	+
Start	2259	End	4011
Name	OJ990531_33.9819.C4.o2.np	Method	AAT/NAP
Start	2259	End	4011
GI	6907087	Score	1094
Exons	2259..2628, 2673..3358, 3910..4011		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13386	Strand	+
Start	6068	End	12759
Name	OJ990531_33.9819.C4.o6.np	Method	AAT/NAP
Start	6068	End	11562
GI	4680179	Score	3088
Exons	6068..6141, 9273..11562		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13386	Strand	+
Start	6068	End	12759
Name	OJ990531_33.9819.C4.o3.gs	Method	GENSCAN
Start	9134	End	12759
GI	none	Score	.46
Exons	9134..9332, 9385..9677, 9725..10211, 10334..11548, 12347..12759		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13387	Strand	+
Start	13608	End	13794
Name	OJ990531_33.9819.C4.o5.gp	Method	AAT/GAP
Start	13608	End	13794
GI	uC-osflcyp033a04b1	Score	279
Exons	13608..13794		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13388	Strand	+
Start	17857	End	19183
Name	OJ990531_33.9819.C4.o10.np	Method	AAT/NAP
Start	17857	End	19183
GI	5852178	Score	451
Exons	17857..17930, 18339..18565, 18597..18712, 19089..19183		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13389	Strand	+
Start	20293	End	20468
Name	OJ990531_33.9819.C4.o6.gp	Method	AAT/GAP
Start	20293	End	20468
GI	LIB3433-026-P1-K1-C1	Score	250
Exons	20293..20468		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-44 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13390	Strand	+
Start	26341	End	28433
Name	OJ990531_33.9819.C4.o11.np	Method	AAT/NAP
Start	26341	End	28433
GI	6691716	Score	1514
Exons	26341..27106, 27304..27910, 27985..28433		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13390	Strand	+
Start	26341	End	28433
Name	OJ990531_33.9819.C4.o6.gs	Method	GENSCAN
Start	26341	End	28310
GI	none	Score	.53
Exons	26341..26508, 27194..27368, 27440..27496, 27806..27910, 27985..28310		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1898
GI	4680186	Score	141
Exons	1..152, 643..698, 1841..1898		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o1.gs	Method	GENSCAN
Start	1493	End	3801
GI	none	Score	.77
Exons	1493..1549, 1645..1694, 2448..2674, 2815..3153, 3320..3642, 3724..3801		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o4.np	Method	AAT/NAP
Start	2451	End	6692
GI	5852180	Score	102
Exons	2451..2667, 3246..3531, 4699..4762, 6628..6692		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o2.gs	Method	GENSCAN
Start	3904	End	4513
GI	none	Score	.95
Exons	3904..4010, 4453..4513		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o3.np	Method	AAT/NAP
Start	4401	End	6350
GI	4680186	Score	212
Exons	4401..4604, 6183..6350		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o5.np	Method	AAT/NAP
Start	8926	End	14248
GI	4544372	Score	37
Exons	8926..9063, 14225..14248		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o7.np	Method	AAT/NAP
Start	12250	End	12684
GI	4680185	Score	487
Exons	12250..12684		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o4.gs	Method	GENSCAN
Start	13093	End	17800
GI	none	Score	.49
Exons	13093..13139, 13588..13739, 14128..14181, 14914..15202, 15411..15520, 17688..17800		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-

Start	8926	End	19872
Name	OJ990531_33.9819.C4.o8.np	Method	AAT/NAP
Start	13541	End	19665
GI	4680186	Score	353
Exons	13541..13741, 14870..14925, 19642..19665		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o9.np	Method	AAT/NAP
Start	14985	End	19872
GI	6691193	Score	34
Exons	14985..15153, 19839..19872		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o7.gs	Method	GENSCAN
Start	28599	End	32621
GI	none	Score	.52
Exons	28599..28617, 28977..29142, 29287..29526, 30436..30683, 31036..31096, 31165..31749, 31927..32085, 32570..32621		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o7.gp	Method	AAT/GAP
Start	28651	End	29337
GI	5816477	Score	1006
Exons	28651..29337		
GI Descrip.	5902445/dbj BAA84458.1 8.0e-79 (AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o12.np	Method	AAT/NAP
Start	28806	End	36272
GI	5922631	Score	6291
Exons	28806..31308, 31915..32002, 33705..35162, 35208..35398, 35657..35903, 36148..36272		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o8.gs	Method	GENSCAN
Start	33693	End	36958
GI	none	Score	.59

Exons 33693..34037, 34220..34416, 34687..35502, 35641..35897,
35943..36146, 36148..36224, 36701..36958

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	8920	End	29873
GI	none	Score	54
Exons	8920..9012, 29486..29872, 29487..29531, 29498..29671, 29562..29873		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	9330	End	31270
GI	none	Score	305
Exons	9330..9578, 9350..9577, 30986..31270		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	9342	End	31249
GI	none	Score	326
Exons	9342..9659, 9446..9658, 30905..31249		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	9348	End	31327
GI	none	Score	141
Exons	9348..9593, 30903..31280, 30908..31327		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	9594	End	10018
GI	none	Score	139
Exons	9594..9719, 9626..9718, 9704..10018, 9706..10014, 9707..10018		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9665	End	10027
GI	none	Score	66
Exons	9665..9733, 9666..9728, 9704..10018, 9706..10014, 9719..10027		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	10049	End	10551

GI	none	Score	188
Exons	10049..10282, 10093..10284, 10121..10294, 10255..10551, 10264..10545, 10293..10550		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	10344	End	10599
GI	none	Score	293
Exons	10344..10598, 10345..10599		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	10398	End	10689
GI	none	Score	106
Exons	10398..10601, 10398..10685, 10399..10689		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	10558	End	29401
GI	none	Score	688
Exons	10558..11184, 10614..11183, 29129..29227, 29255..29401		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	10738	End	11337
GI	none	Score	231
Exons	10738..10899, 10741..10893, 10897..11337, 10899..11321		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o9.tw	Method	TBLASTX:Wheat
Start	11184	End	11517
GI	none	Score	303
Exons	11184..11453, 11185..11517, 11197..11496		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o11.tw	Method	TBLASTX:Wheat
Start	15036	End	30898
GI	none	Score	75
Exons	15036..15131, 30623..30898, 30626..30889		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	21971	End	34177

GI	none	Score	58
Exons	21971..22333, 33879..33995, 34088..34177		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o9.tm	Method	TBLASTX:Maize
Start	28821	End	29062
GI	none	Score	96
Exons	28821..28922, 28825..28923, 28902..28976, 28976..29062		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	29552	End	29879
GI	none	Score	244
Exons	29552..29878, 29553..29879		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	30182	End	30613
GI	none	Score	193
Exons	30182..30613, 30303..30608		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	30236	End	30622
GI	none	Score	76
Exons	30236..30478, 30333..30479, 30518..30622, 30519..30617		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	30287	End	30560
GI	none	Score	44
Exons	30287..30385, 30309..30368, 30389..30559, 30390..30560		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	31412	End	31769
GI	none	Score	192
Exons	31412..31768, 31434..31769		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	31442	End	39375
GI	none	Score	254

Exons 31442..31897, 31443..31898, 39226..39375

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	31493	End	31858
GI	none	Score	125
Exons	31493..31627, 31634..31858		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	33817	End	34273
GI	none	Score	138
Exons	33817..34053, 33819..34055, 34085..34273, 34085..34273		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o10.tw	Method	TBLASTX:Wheat
Start	34577	End	34969
GI	none	Score	93
Exons	34577..34969, 34671..34853		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o7.tm	Method	TBLASTX:Maize
Start	36872	End	37241
GI	none	Score	93
Exons	36872..37063, 37116..37241, 37117..37224		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o13.np	Method	AAT/NAP
Start	39479	End	40015
GI	6623974	Score	214
Exons	39479..40015		
GI Descrip.	(AC007505) Similar to Athila ORF1 [Arabidopsis thaliana]		

Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13395	Strand	+
Start	1	End	797
Name	OJ990531_33.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4680186	Score	243
Exons	1..63, 593..797		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13395	Strand	+
Start	1	End	797
Name	OJ990531_33.9819.C5.o1.gs	Method	GENSCAN
Start	441	End	745

GI	none	Score	.53
Exons	441..493, 566..745		
Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13396	Strand	-
Start	343	End	725
Name	OJ990531_33.9819.C5.o1.gp	Method	AAT/GAP
Start	343	End	725
GI	uC-osflcyp033a04b1	Score	652
Exons	343..725		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	5756
GI	5257279	Score	3963
Exons	1..60, 2125..3869, 4086..4248, 4363..4965, 5736..5756		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	2532	End	3014
GI	none	Score	511
Exons	2532..3014, 2543..2839, 2592..2981, 2867..3010		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	2598	End	3068
GI	none	Score	378
Exons	2598..3068		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2955	End	3350
GI	none	Score	54
Exons	2955..2987, 2957..2986, 2985..3320, 2991..3350, 3062..3349		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o5.tw	Method	TBLASTX:Wheat
Start	3063	End	3365
GI	none	Score	395
Exons	3063..3365, 3063..3299, 3065..3349		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+

Start	1	End	5756
Name	OJ990531_33.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	3069	End	3232
GI	none	Score	201
Exons	3069..3230, 3069..3224, 3074..3232		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	3236	End	3677
GI	none	Score	467
Exons	3236..3664, 3237..3677		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	3366	End	3869
GI	none	Score	611
Exons	3366..3869, 3375..3710, 3401..3787		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	3372	End	3617
GI	none	Score	212
Exons	3372..3617		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	3869	End	4358
GI	none	Score	580
Exons	3869..4354, 3870..4358		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	4059	End	4382
GI	none	Score	115
Exons	4059..4238, 4073..4186, 4239..4382, 4241..4381		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	4157	End	4403
GI	none	Score	278
Exons	4157..4402, 4158..4403		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756

Name	OJ990531_33.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	4204	End	4496
GI	none	Score	67
Exons	4204..4392, 4208..4492, 4209..4496		
Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	4365	End	4992
GI	none	Score	514
Exons	4365..4844, 4367..4828, 4458..4859, 4830..4991, 4846..4992		
Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	4548	End	5133
GI	none	Score	207
Exons	4548..4706, 4550..4702, 4559..4717, 4703..4843, 4703..4834, 4704..4844, 4846..5133, 4872..5132		
Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o6.tw	Method	TBLASTX:Wheat
Start	4992	End	5325
GI	none	Score	350
Exons	4992..5213, 4993..5325, 5149..5322		
Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	5133	End	5379
GI	none	Score	183
Exons	5133..5261, 5134..5379		
Seq. No.	6362	Seq. ID	OJ990531_33.9819.C7
Gene No.	13398	Strand	-
Start	319	End	406
Name	OJ990531_33.9819.C7.o1.gs	Method	GENSCAN
Start	319	End	406
GI	none	Score	.8
Exons	319..406		
Seq. No.	6363	Seq. ID	OJ990531_33.9819.C8
Gene No.	13399	Strand	-
Start	790	End	2353
Name	OJ990531_33.9819.C8.o1.gs	Method	GENSCAN
Start	790	End	2353
GI	none	Score	.46
Exons	790..951, 1680..1737, 1840..1905, 1978..2023, 2212..2353		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792

Name	OJ990531_33.9819.C11.o4.np	Method	AAT/NAP
Start	1	End	13792
GI	4680183	Score	155
Exons	1..20, 13023..13093, 13703..13792		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o1.gs	Method	GENSCAN
Start	571	End	982
GI	none	Score	.76
Exons	571..882, 914..982		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o1.gp	Method	AAT/GAP
Start	2218	End	3113
GI	4107138	Score	1428
Exons	2218..3113		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-149 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o2.gs	Method	GENSCAN
Start	3082	End	7128
GI	none	Score	.59
Exons	3082..3160, 4027..4223, 4350..4557, 5244..5324, 6890..7128		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o2.np	Method	AAT/NAP
Start	3179	End	13469
GI	5852180	Score	590
Exons	3179..3229, 6760..6818, 7795..7912, 7964..8380, 13420..13469		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o3.np	Method	AAT/NAP
Start	9798	End	11169
GI	5852179	Score	494
Exons	9798..9818, 10661..10863, 10938..11169		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13401	Strand	+
Start	15048	End	15653
Name	OJ990531_33.9819.C11.o5.np	Method	AAT/NAP
Start	15048	End	15653
GI	6721559	Score	580
Exons	15048..15490, 15521..15653		

GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein
[Oryza sativa]

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13402	Strand	+
Start	17700	End	28592
Name	OJ990531_33.9819.C11.o5.gs	Method	GENSCAN
Start	17700	End	27614
GI	none	Score	.45
Exons	17700..17774, 18078..18215, 18690..18804, 19490..20089, 20320..20402, 21140..21669, 21907..22172, 22794..22934, 23010..23197, 23597..23747, 23835..24202, 24338..24686, 25006..25275, 25546..26037, 26734..27614		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13402	Strand	+
Start	17700	End	28592
Name	OJ990531_33.9819.C11.o6.np	Method	AAT/NAP
Start	22618	End	28592
GI	4544372	Score	619
Exons	22618..22703, 24557..24758, 25132..26120, 26179..26428, 28562..28592		

GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13403	Strand	+
Start	29996	End	30300
Name	OJ990531_33.9819.C11.o5.gp	Method	AAT/GAP
Start	29996	End	30300
GI	83032_1.R1084	Score	461
Exons	29996..30300		

GI Descrip. '6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13404	Strand	+
Start	33269	End	35056
Name	OJ990531_33.9819.C11.o7.np	Method	AAT/NAP
Start	33269	End	35056
GI	6907087	Score	862
Exons	33269..33652, 33697..34402, 34955..35056		

GI Descrip. (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13405	Strand	+
Start	35524	End	35906
Name	OJ990531_33.9819.C11.o8.gp	Method	AAT/GAP
Start	35524	End	35906
GI	uC-osflcyp033a04b1	Score	664
Exons	35524..35906		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13406	Strand	-
Start	1	End	2118
Name	OJ990531_33.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	2118
GI	5852179	Score	239
Exons	1..43, 603..834, 908..1107, 2098..2118		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13407	Strand	-
Start	6667	End	7049
Name	OJ990531_33.9819.C11.o2.gp	Method	AAT/GAP
Start	6667	End	7049
GI	uC-osflcyp033a04b1	Score	692
Exons	6667..7049		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13408	Strand	-
Start	32361	End	32551
Name	OJ990531_33.9819.C11.o7.gp	Method	AAT/GAP
Start	32361	End	32551
GI	uC-osflcyp033a04b1	Score	324
Exons	32361..32551		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13409	Strand	-
Start	35453	End	35656
Name	OJ990531_33.9819.C11.o8.np	Method	AAT/NAP
Start	35453	End	35656
GI	4680186	Score	239
Exons	35453..35656		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	22892	End	23170
GI	none	Score	157
Exons	22892..23017, 22903..23016, 23042..23170, 23047..23163		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	25245	End	25613
GI	none	Score	130
Exons	25245..25463, 25479..25613		
Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-

Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	25407	End	25816
GI	none	Score	578
Exons	25407..25814, 25415..25816, 25424..25816		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	25467	End	25682
GI	none	Score	308
Exons	25467..25682, 25469..25600, 25471..25644, 25536..25682		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	25683	End	26141
GI	none	Score	589
Exons	25683..26141, 25684..25935, 25685..26140		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	25830	End	26301
GI	none	Score	220
Exons	25830..26111, 25865..26122, 26117..26299, 26155..26301		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	25833	End	26215
GI	none	Score	194
Exons	25833..26117, 25887..26045, 26156..26215, 26158..26211		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	26616	End	27011
GI	none	Score	231
Exons	26616..27011, 26717..26911		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	26625	End	26990
GI	none	Score	69
Exons	26625..26771, 26766..26990		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808

Name OJ990531_33.9819.C11.o4.tw
 Start 26771
 GI none
 Exons 26771..26947, 26772..27131

Method TBLASTX:Wheat
 End 27131
 Score 178

Seq. No. 6364
 Gene No. 13410
 Start 36614
 Name OJ990531_33.9819.C11.o3.tw
 Start 27162
 GI none
 Exons 27162..27302, 27354..27578

Seq. ID OJ990531_33.9819.C11
 Strand -
 End 36808
 Method TBLASTX:Wheat
 End 27578
 Score 91

Seq. No. 6364
 Gene No. 13410
 Start 36614
 Name OJ990531_33.9819.C11.o2.ts
 Start 27354
 GI none
 Exons 27354..27599, 27398..27484, 27560..27595

Seq. ID OJ990531_33.9819.C11
 Strand -
 End 36808
 Method TBLASTX:Soybean
 End 27599
 Score 248

Seq. No. 6364
 Gene No. 13410
 Start 36614
 Name OJ990531_33.9819.C11.o5.tm
 Start 27372
 GI none
 Exons 27372..27449, 27435..27503, 27501..27611

Seq. ID OJ990531_33.9819.C11
 Strand -
 End 36808
 Method TBLASTX:Maize
 End 27611
 Score 93

Seq. No. 6364
 Gene No. 13410
 Start 36614
 Name OJ990531_33.9819.C11.o9.gp
 Start 36614
 GI uC-osflcyp033a04b1
 Exons 36614..36808

Seq. ID OJ990531_33.9819.C11
 Strand -
 End 36808
 Method AAT/GAP
 End 36808
 Score 323

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 6365
 Gene No. 13411
 Start 529
 Name OJ990531_33.9819.C13.o1.np
 Start 529
 GI 2498930
 Exons 529..696

Seq. ID OJ990531_33.9819.C13
 Strand +
 End 696
 Method AAT/NAP
 End 696
 Score 45

GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No. 6365
 Gene No. 13411
 Start 529
 Name OJ990531_33.9819.C13.o1.gs
 Start 530
 GI none
 Exons 530..589

Seq. ID OJ990531_33.9819.C13
 Strand +
 End 696
 Method GENSCAN
 End 589
 Score .81

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.ol.np	Method	AAT/NAP
Start	1	End	564
GI	4416302	Score	536
Exons	1..564		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.ol.tm	Method	TBLASTX:Maize
Start	31	End	543
GI	none	Score	551
Exons	31..543, 42..443, 175..513		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.ol.tw	Method	TBLASTX:Wheat
Start	43	End	498
GI	none	Score	131
Exons	43..303, 322..498, 325..498		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.ol.ts	Method	TBLASTX:Soybean
Start	55	End	573
GI	none	Score	197
Exons	55..294, 93..251, 313..573, 327..497		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.ol.tc	Method	TBLASTX:Cress
Start	178	End	498
GI	none	Score	86
Exons	178..309, 298..498		

Seq. No.	6367	Seq. ID	OJ990421_28.9819.C3
Gene No.	13413	Strand	+
Start	672	End	942
Name	OJ990421_28.9819.C3.ol.gs	Method	GENSCAN
Start	672	End	942
GI	none	Score	.4
Exons	672..942		

Seq. No.	6368	Seq. ID	OJ990421_28.9819.C4
Gene No.	13414	Strand	-
Start	279	End	417
Name	OJ990421_28.9819.C4.ol.gs	Method	GENSCAN
Start	279	End	417
GI	none	Score	.69
Exons	279..417		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	944
GI	2072977	Score	160
Exons	1..420, 916..944		
GI Descrip.	(U93574) putative p150 [Homo sapiens]		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o2.np	Method	AAT/NAP
Start	1	End	944
GI	2191168	Score	160
Exons	1..52, 521..944		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.gs	Method	GENSCAN
Start	408	End	875
GI	none	Score	.98
Exons	408..875		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	537	End	833
GI	none	Score	107
Exons	537..695, 711..833		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o1.gs	Method	GENSCAN
Start	201	End	7954
GI	none	Score	.66
Exons	201..267, 912..1047, 1070..1164, 4552..4643, 5656..5733, 5813..5905, 6020..6079, 6186..6458, 6544..6618, 6873..7013, 7105..7155, 7232..7327, 7415..7498, 7669..7771, 7872..7954		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o1.gp	Method	AAT/GAP
Start	4588	End	6217
GI	155_1.R1084	Score	940
Exons	4588..4729, 5547..5733, 5813..5905, 6020..6079, 6186..6217		
GI Descrip.	'1709129/sp P51139 MSK3_MEDSA 3.0e-27 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir_S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8
 Gene No. 13416 Strand +
 Start 201 End 8440
 Name OJ990421_28.9819.C8.o1.np Method AAT/NAP
 Start 5614 End 7951
 GI 2191169 Score 1478
 Exons 5614..5730, 5813..5953, 6011..6079, 6186..6458, 6544..6618,
 6737..6811, 6842..7013, 7105..7155, 7232..7327, 7415..7498,
 7669..7782, 7859..7951
 GI Descrip. (AF007270) Similar to shaggy related protein kinase. Belongs to
 the CDC2/CDKX subfamily [Arabidopsis thaliana]

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8
 Gene No. 13416 Strand +
 Start 201 End 8440
 Name OJ990421_28.9819.C8.o2.gp Method AAT/GAP
 Start 6384 End 8440
 GI 13125_1.R1084 Score 2109
 Exons 6384..6458, 6544..6618, 6737..6793, 6873..7013, 7105..7155,
 7232..7327, 7415..7498, 7669..7771, 7872..8440
 GI Descrip. '1709129/sp|P51139|MSK3 MEDSA 1.0e-135 GLYCOGEN SYNTHASE
 KINASE-3 HOMOLOG MSK-3 >gi 481018_pir_S37642 protein kinase
 MSK-3 (EC 2.7.1.-) - alfalfa >gi 313148_emb_CAA48472_ (X68409)
 protein kinase [Medicago sativa]'

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8
 Gene No. 13417 Strand +
 Start 20911 End 29104
 Name OJ990421_28.9819.C8.o3.gs Method GENSCAN
 Start 20911 End 26068
 GI none Score .45
 Exons 20911..20964, 21215..21421, 21474..23628, 24062..24157,
 24743..25235, 25237..25423, 25964..26068

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8
 Gene No. 13417 Strand +
 Start 20911 End 29104
 Name OJ990421_28.9819.C8.o2.np Method AAT/NAP
 Start 21997 End 29104
 GI 6498441 Score 3074
 Exons 21997..23061, 23392..23628, 27648..27834, 27898..28271,
 28454..28592, 28921..29104
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the
 predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type
 retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8
 Gene No. 13417 Strand +
 Start 20911 End 29104
 Name OJ990421_28.9819.C8.o3.gp Method AAT/GAP
 Start 26527 End 26908
 GI uC-osflcyp033a04b1 Score 671
 Exons 26527..26908
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
 DNA, chromosome 1, clone:P0711E10'

Seq. No. 6370 Seq. ID OJ990421_28.9819.C8

Gene No.	13417	Strand	+
Start	20911	End	29104
Name	OJ990421_28.9819.C8.o4.gs	Method	GENSCAN
Start	26705	End	28588
GI	none	Score	.68
Exons	26705..26776, 27617..27751, 27898..28271, 28454..28588		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	5543	End	7960
GI	none	Score	46
Exons	5543..5602, 5547..5588, 5590..5733, 5601..5723, 5611..5736, 5810..5935, 5812..5904, 6016..6078, 6017..6079, 6182..6457, 6184..6459, 6186..6461, 6499..6621, 6533..6619, 6542..6625, 6543..6620, 6716..6796, 6732..6800, 6736..6804, 6872..7012, 6873..7013, 7104..7157, 7104..7157, 7114..7158, 7224..7328, 7229..7330, 7229..7330, 7231..7341, 7406..7522, 7409..7498, 7413..7499, 7432..7521, 7669..7770, 7671..7769, 7672..7794, 7870..7959, 7871..7960, 7874..7960		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	5680	End	7971
GI	none	Score	66
Exons	5680..5736, 5683..5727, 5810..5935, 5812..5904, 6016..6078, 6017..6079, 6027..6080, 6182..6454, 6183..6458, 6184..6444, 6186..6461, 6499..6621, 6559..6618, 6566..6625, 6716..6796, 6736..6804, 6796..6873, 6872..6988, 6872..7012, 6873..7013, 6873..7013, 7056..7157, 7104..7157, 7114..7158, 7224..7328, 7229..7330, 7231..7326, 7406..7522, 7409..7453, 7432..7497, 7672..7797, 7678..7770, 7870..7971, 7871..7948		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	5785	End	7933
GI	none	Score	83
Exons	5785..5904, 5795..5950, 6016..6078, 6017..6079, 6018..6080, 6019..6090, 6182..6427, 6183..6458, 6185..6454, 6186..6461, 6499..6621, 6543..6620, 6548..6625, 6716..6796, 6736..6804, 6868..6987, 6872..6991, 6872..7012, 6873..7013, 6873..7013, 7104..7157, 7114..7158, 7229..7330, 7229..7327, 7231..7329, 7406..7501, 7409..7480, 7672..7788, 7675..7761, 7870..7932, 7871..7933		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	5837	End	6461
GI	none	Score	57
Exons	5837..5950, 6017..6079, 6019..6081, 6019..6078, 6160..6456,		

6182..6460, 6184..6456, 6186..6461

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	7229	End	7933
GI	none	Score	185
Exons	7229..7330, 7229..7327, 7231..7329, 7406..7501, 7409..7498, 7617..7661, 7672..7764, 7871..7933		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.gs	Method	GENSCAN
Start	8892	End	20305
GI	none	Score	.68
Exons	8892..10190, 10493..10569, 11559..11658, 12557..12654, 12897..12990, 13075..13188, 13578..13624, 13827..13856, 15056..15098, 16533..16824, 17819..17875, 17940..18006, 18212..18335, 20150..20305		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	8952	End	9740
GI	none	Score	305
Exons	8952..9740, 8953..9246, 8982..9710, 9295..9723		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	9054	End	9695
GI	none	Score	110
Exons	9054..9239, 9061..9099, 9064..9246, 9099..9509, 9307..9501, 9492..9614, 9612..9680, 9624..9695		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	9462	End	9866
GI	none	Score	105
Exons	9462..9602, 9633..9866, 9634..9813		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13419	Strand	-
Start	22149	End	22538
Name	OJ990421_28.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	22149	End	22538
GI	none	Score	54
Exons	22149..22193, 22200..22298, 22217..22297, 22265..22504, 22281..22538		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
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Gene No. 13419
 Start 22149
 Name OJ990421_28.9819.C8.o5.tm
 Start 22188
 GI none
 Exons 22188..22436, 22190..22435

Strand
 End 22538
 Method TBLASTX:Maize
 End 22436
 Score 191

Seq. No. 6370
 Gene No. 13420
 Start 23276
 Name OJ990421_28.9819.C8.o5.tw
 Start 23276
 GI none
 Exons 23276..23449, 23277..23621, 23277..23606, 23471..23620, 27617..27703

Seq. ID OJ990421_28.9819.C8
 Strand
 End 27703
 Method TBLASTX:Wheat
 End 27703
 Score 298

Seq. No. 6370
 Gene No. 13421
 Start 27906
 Name OJ990421_28.9819.C8.o1.tw
 Start 27906
 GI none
 Exons 27906..28355, 27907..28359, 27907..28362, 28122..28364

Seq. ID OJ990421_28.9819.C8
 Strand
 End 28391
 Method TBLASTX:Wheat
 End 28364
 Score 584

Seq. No. 6370
 Gene No. 13421
 Start 27906
 Name OJ990421_28.9819.C8.o4.ts
 Start 27946
 GI none
 Exons 27946..28170, 28177..28311

Seq. ID OJ990421_28.9819.C8
 Strand
 End 28391
 Method TBLASTX:Soybean
 End 28311
 Score 117

Seq. No. 6370
 Gene No. 13421
 Start 27906
 Name OJ990421_28.9819.C8.o3.tm
 Start 28036
 GI none
 Exons 28036..28341, 28071..28349, 28353..28391

Seq. ID OJ990421_28.9819.C8
 Strand
 End 28391
 Method TBLASTX:Maize
 End 28391
 Score 329

Seq. No. 6370
 Gene No. 13422
 Start 28367
 Name OJ990421_28.9819.C8.o3.tw
 Start 28367
 GI none
 Exons 28367..28471, 28368..28679, 28376..28666

Seq. ID OJ990421_28.9819.C8
 Strand
 End 28699
 Method TBLASTX:Wheat
 End 28679
 Score 62

Seq. No. 6370
 Gene No. 13422
 Start 28367
 Name OJ990421_28.9819.C8.o4.tm
 Start 28418
 GI none
 Exons 28418..28699, 28422..28697

Seq. ID OJ990421_28.9819.C8
 Strand
 End 28699
 Method TBLASTX:Maize
 End 28699
 Score 281

Seq. No. 6370

Seq. ID OJ990421_28.9819.C8

Gene No.	13422	Strand	
Start	28367	End	28699
Name	OJ990421_28.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	28464	End	28688
GI	none	Score	209
Exons	28464..28688, 28472..28687		
Seq. No.	6371	Seq. ID	OJ990421_28.9819.C10
Gene No.	13423	Strand	+
Start	515	End	733
Name	OJ990421_28.9819.C10.o1.np	Method	AAT/NAP
Start	515	End	733
GI	2498930	Score	46
Exons	515..578, 711..733		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13424	Strand	+
Start	1881	End	2255
Name	OJ990421_28.9819.C11.o2.gp	Method	AAT/GAP
Start	1881	End	2255
GI	none	Score	706
Exons	1881..2255		
Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13425	Strand	+
Start	9037	End	9915
Name	OJ990421_28.9819.C11.o3.gs	Method	GENSCAN
Start	9037	End	9915
GI	none	Score	.64
Exons	9037..9123, 9482..9755, 9773..9915		
Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13426	Strand	+
Start	17434	End	18273
Name	OJ990421_28.9819.C11.o5.gs	Method	GENSCAN
Start	17434	End	18273
GI	none	Score	.95
Exons	17434..18273		
Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13427	Strand	+
Start	19835	End	20208
Name	OJ990421_28.9819.C11.o6.gs	Method	GENSCAN
Start	19835	End	20208
GI	none	Score	.68
Exons	19835..19862, 20135..20208		
Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13428	Strand	+
Start	21572	End	22650
Name	OJ990421_28.9819.C11.o7.gs	Method	GENSCAN
Start	21572	End	22650
GI	none	Score	.78
Exons	21572..21670, 22040..22175, 22340..22650		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o1.gs	Method	GENSCAN
Start	2124	End	4048
GI	none	Score	.73
Exons	2124..2948, 3824..4048		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o1.np	Method	AAT/NAP
Start	2624	End	8232
GI	6016874	Score	2164
Exons	2624..2760, 3872..4008, 4141..4274, 5345..5583, 6033..6395, 6513..6692, 7086..7245, 7636..7868, 7933..8070, 8154..8232		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o3.gp	Method	AAT/GAP
Start	2814	End	4073
GI	51932_1.R1084	Score	711
Exons	2814..2948, 3824..4073		
GI Descrip.	'1781328/emb CAA71491 1.0e-14 (Y10465) peroxidase [Spinacia oleracea]'		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o2.gs	Method	GENSCAN
Start	6052	End	8232
GI	none	Score	.78
Exons	6052..8232		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o4.gp	Method	AAT/GAP
Start	7035	End	7543
GI	uC-osflcyp110c07b1	Score	958
Exons	7035..7543		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13430	Strand	-
Start	11470	End	16163
Name	OJ990421_28.9819.C11.o4.gs	Method	GENSCAN
Start	11470	End	16163
GI	none	Score	.75
Exons	11470..11499, 13760..13959, 14021..14180, 14377..14438, 14753..14867, 14919..15016, 15450..15814, 15820..16163		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2124	End	21543
GI	none	Score	75
Exons	2124..2183, 2187..2357, 2427..2456, 2544..2684, 2548..2625, 2718..2846, 2719..2859, 2835..2954, 2923..2949, 3825..3923, 3827..3931, 17404..17646, 17464..17604, 17522..17656, 17522..17659, 17614..17943, 17675..17941, 17917..18225, 17945..18235, 21418..21543, 21419..21541		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2472	End	21543
GI	none	Score	97
Exons	2472..2819, 2820..2954, 3824..3913, 17806..18081, 18016..18225, 21421..21543		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2536	End	21543
GI	none	Score	58
Exons	2536..2616, 2547..2774, 2719..2742, 2760..2855, 2829..2954, 2836..2949, 3827..3922, 17806..18030, 17807..17875, 17954..18001, 18025..18225, 18041..18091, 21418..21543		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	6118	End	6361
GI	none	Score	97
Exons	6118..6351, 6203..6361		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	6473	End	6825
GI	none	Score	136
Exons	6473..6814, 6544..6825		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	7030	End	7344
GI	none	Score	106
Exons	7030..7257, 7031..7249, 7270..7344		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
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Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	7438	End	7884
GI	none	Score	112
Exons	7438..7476, 7471..7533, 7534..7812, 7604..7789, 7798..7884		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o5.gp	Method	AAT/GAP
Start	16960	End	17579
GI	none	Score	1203
Exons	16960..17579		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o2.np	Method	AAT/NAP
Start	17416	End	21615
GI	4760700	Score	450
Exons	17416..18219, 21418..21615		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o6.gp	Method	AAT/GAP
Start	17957	End	21753
GI	25231_1.R1084	Score	1062
Exons	17957..18219, 21418..21753		
GI Descrip.	'3928088 8.0e-26 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536
Name	OJ990421_28.9819.C12.o1.gs	Method	GENSCAN
Start	2412	End	7536
GI	none	Score	.9
Exons	2412..2460, 2968..3075, 3105..3860, 4946..5755, 5841..6055, 6146..6409, 6921..7076, 7174..7273, 7415..7536		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536
Name	OJ990421_28.9819.C12.o1.np	Method	AAT/NAP
Start	3272	End	7275
GI	2191168	Score	628
Exons	3272..3662, 3693..3985, 4901..5778, 5810..6055, 6146..6409, 6921..7275		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536

Name	OJ990421_28.9819.C12.o1.gp	Method	AAT/GAP
Start	5375	End	5880
GI	568359	Score	810
Exons	5375..5755, 5841..5880		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13433	Strand	+
Start	16244	End	19089
Name	OJ990421_28.9819.C12.o4.gs	Method	GENSCAN
Start	16244	End	18741
GI	none	Score	.49
Exons	16244..16246, 16722..16788, 17434..17635, 17850..18741		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13433	Strand	+
Start	16244	End	19089
Name	OJ990421_28.9819.C12.o3.np	Method	AAT/NAP
Start	17427	End	19089
GI	6539588	Score	232
Exons	17427..17710, 19058..19089		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.gp	Method	AAT/GAP
Start	9343	End	10498
GI	27475_1.R1084	Score	1740
Exons	9343..9983, 10073..10308, 10422..10498		
GI Descrip.	'3643085/gb AAC36698 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.np	Method	AAT/NAP
Start	9398	End	11494
GI	3643085	Score	999
Exons	9398..9983, 10073..10308, 10422..10602, 11403..11494		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.gs	Method	GENSCAN
Start	9401	End	11557
GI	none	Score	.73
Exons	9401..9983, 10073..10308, 10422..10613, 11420..11557		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13435	Strand	-
Start	11463	End	11756
Name	OJ990421_28.9819.C12.o3.gp	Method	AAT/GAP
Start	11463	End	11756
GI	none	Score	449
Exons	11463..11756		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	3350	End	3646
GI	none	Score	107
Exons	3350..3472, 3488..3646		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	4955	End	5517
GI	none	Score	62
Exons	4955..5044, 4958..5044, 5041..5187, 5042..5185, 5045..5263, 5046..5264, 5088..5267, 5230..5268, 5245..5289, 5327..5506, 5370..5507, 5371..5517		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	5843	End	6340
GI	none	Score	37
Exons	5843..5869, 5927..6058, 5936..6046, 6134..6340, 6145..6315		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	5960	End	7263
GI	none	Score	124
Exons	5960..6058, 5962..6054, 6133..6414, 6134..6400, 6923..6985, 6927..7064, 7171..7263		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	6135	End	7273
GI	none	Score	301
Exons	6135..6410, 6139..6408, 6140..6418, 6920..7075, 6921..7082, 6921..7079, 7165..7257, 7165..7254, 7181..7273		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	9323	End	10604
GI	none	Score	62
Exons	9323..9463, 9401..9490, 9521..9616, 9525..9557, 9530..9601, 9593..9985, 9608..9991, 9615..10001, 9829..9990, 10069..10305, 10072..10308, 10073..10309, 10110..10313, 10419..10565, 10419..10604, 10420..10587		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
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Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	9413	End	10568
GI	none	Score	53
Exons	9413..9475, 9414..9467, 9522..10001, 9527..9985, 10072..10308, 10073..10309, 10419..10568, 10420..10566		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	9525	End	10114
GI	none	Score	246
Exons	9525..9980, 9533..10000, 9533..9985, 10072..10113, 10076..10114		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	9587	End	9919
GI	none	Score	314
Exons	9587..9919, 9587..9919		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.gs	Method	GENSCAN
Start	12720	End	13833
GI	none	Score	.72
Exons	12720..12815, 13735..13833		

Seq. No.	6374	Seq. ID	OJ990421_28.9819.C13
Gene No.	13437	Strand	+
Start	362	End	612
Name	OJ990421_28.9819.C13.o1.gp	Method	AAT/GAP
Start	362	End	612
GI	51932_1.R1084	Score	435
Exons	362..612		
GI Descrip.	'1781328/emb CAA71491 1.0e-14 (Y10465) peroxidase [Spinacia oleracea]'		

Seq. No.	6374	Seq. ID	OJ990421_28.9819.C13
Gene No.	13437	Strand	+
Start	362	End	612
Name	OJ990421_28.9819.C13.o1.gs	Method	GENSCAN
Start	387	End	515
GI	none	Score	.47
Exons	387..515		

Seq. No.	6375	Seq. ID	OJ990501_20.9819.C1
Gene No.	13438	Strand	-
Start	1173	End	1629
Name	OJ990501_20.9819.C1.o1.gs	Method	GENSCAN
Start	1173	End	1629
GI	none	Score	.57
Exons	1173..1323, 1470..1629		

Seq. No. 6376
 Gene No. 13439
 Start 258
 Name OJ990501_20.9819.C2.o1.gs
 Start 258
 GI none
 Exons 258..432

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 432
 Method GENSCAN
 End 432
 Score .97

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o1.gp
 Start 3005
 GI 569176
 Exons 3005..3439

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method AAT/GAP
 End 3439
 Score 732

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o2.gs
 Start 3405
 GI none
 Exons 3405..3552, 3940..4092, 4121..4267, 4313..4723, 5887..6947, 7126..7197

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method GENSCAN
 End 7197
 Score .51

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o1.np
 Start 3426
 GI 6623883
 Exons 3426..3552, 3940..4092, 4313..4464, 4495..4723, 5069..5145, 5742..6206, 9678..9711

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method AAT/NAP
 End 9711
 Score 670

GI Descrip. (AC018722) putative two-component response regulator protein [Arabidopsis thaliana]

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o2.gp
 Start 6586
 GI 2280643
 Exons 6586..6885

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method AAT/GAP
 End 6885
 Score 566

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o3.gp
 Start 6872
 GI 3768839
 Exons 6872..6947, 7126..7476

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method AAT/GAP
 End 7476
 Score 786

Seq. No. 6376
 Gene No. 13440
 Start 3405
 Name OJ990501_20.9819.C2.o3.gs

Seq. ID OJ990501_20.9819.C2
 Strand +
 End 9812
 Method GENSCAN

Start 7975
GI none
Exons 7975..8280, 8565..9812

End 9812
Score .95

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13441 Strand +
Start 11384 End 15237
Name OJ990501_20.9819.C2.o4.np Method AAT/NAP
Start 11384 End 15237
GI 1903347 Score 389
Exons 11384..11412, 14617..15237
GI Descrip. (AC000104) EST gb|ATT5672 comes from this gene. [Arabidopsis thaliana]

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13441 Strand +
Start 11384 End 15237
Name OJ990501_20.9819.C2.o5.gp Method AAT/GAP
Start 12079 End 12383
GI 3107363 Score 594
Exons 12079..12383
GI Descrip. 4263711/gb|AAD15397| 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13442 Strand -
Start 11728 End 12070
Name OJ990501_20.9819.C2.o4.gp Method AAT/GAP
Start 11728 End 12070
GI 4715326 Score 635
Exons 11728..12070

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13443 Strand -
Start 12148 End 12974
Name OJ990501_20.9819.C2.o5.tm Method TBLASTX:Maize
Start 3446 End 4470
GI none Score 167
Exons 3446..3550, 3447..3551, 3505..3561, 3933..4100, 3951..4091, 4312..4470, 4313..4462, 4314..4469

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13443 Strand -
Start 12148 End 12974
Name OJ990501_20.9819.C2.o2.tc Method TBLASTX:Cress
Start 3455 End 5145
GI none Score 146
Exons 3455..3550, 3456..3551, 3933..4100, 3945..4088, 4311..4439, 4312..4467, 4312..4428, 4314..4433, 4558..4626, 4573..4722, 4635..4724, 5071..5145, 5071..5139

Seq. No. 6376 Seq. ID OJ990501_20.9819.C2
Gene No. 13443 Strand -
Start 12148 End 12974
Name OJ990501_20.9819.C2.o3.ts Method TBLASTX:Soybean
Start 3455 End 4440
GI none Score 152

Exons 3455..3550, 3456..3551, 3933..4100, 3945..4091, 4312..4440, 4314..4439

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	3932	End	4118
GI	none	Score	210
Exons	3932..4096, 3939..4118, 3954..4097		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	5698	End	7280
GI	none	Score	83
Exons	5698..5829, 5723..5827, 5806..5919, 5820..5921, 5820..5924, 5870..5929, 5927..6031, 5928..6032, 6030..6056, 6063..6158, 6064..6186, 6065..6181, 6179..6277, 6179..6316, 6195..6317, 6266..6448, 6285..6563, 6286..6483, 6287..6574, 6485..6571, 6562..6678, 6564..6734, 6567..6722, 6773..6838, 6813..6947, 6848..6994, 7108..7164, 7110..7163, 7167..7196, 7168..7257, 7230..7280		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	8559	End	9086
GI	none	Score	218
Exons	8559..9086		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	8724	End	9068
GI	none	Score	192
Exons	8724..9068, 8724..8939, 8817..9014		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	8817	End	9347
GI	none	Score	215
Exons	8817..9218, 9240..9347		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	9633	End	9809
GI	none	Score	212
Exons	9633..9809, 9633..9806, 9634..9807		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	12144	End	12393
GI	none	Score	248
Exons	12144..12392, 12147..12392, 12148..12393		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o3.np	Method	AAT/NAP
Start	12148	End	12974
GI	6503290	Score	987
Exons	12148..12974		
GI Descrip.	(AC011713) Similar to gb U21855 CCR4-associated factor 1 (CAF1) from Mus musculus. ESTs gb AAA394972, gb AA585812 and gb H77015 come from this gene. [Arabidopsis thaliana]		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	12164	End	12953
GI	none	Score	112
Exons	12164..12427, 12165..12683, 12183..12677, 12699..12938, 12814..12864, 12849..12953		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	12164	End	12953
GI	none	Score	123
Exons	12164..12448, 12165..12683, 12169..12675, 12183..12677, 12699..12938, 12700..12765, 12814..12867, 12849..12953		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	12489	End	12947
GI	none	Score	148
Exons	12489..12626, 12490..12669, 12627..12938, 12631..12873, 12849..12947		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	12702	End	12941
GI	none	Score	56
Exons	12702..12791, 12703..12762, 12825..12938, 12849..12941		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	-
Start	14643	End	15228

Name	OJ990501_20.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	14643	End	14909
GI	none	Score	72
Exons	14643..14729, 14643..14729, 14656..14730, 14808..14909, 14809..14898		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	14655	End	14895
GI	none	Score	100
Exons	14655..14717, 14656..14724, 14806..14895, 14808..14861		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	14805	End	15129
GI	none	Score	136
Exons	14805..14912, 14806..14901, 14976..15065, 14977..15129		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	14970	End	15228
GI	none	Score	311
Exons	14970..15074, 14971..15228, 15091..15183, 15114..15227		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.gs	Method	GENSCAN
Start	380	End	2036
GI	none	Score	.46
Exons	380..524, 872..1558, 1594..2036		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1083
GI	none	Score	106
Exons	877..1083, 878..1072		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	1306	End	1646
GI	none	Score	77
Exons	1306..1404, 1477..1578, 1578..1646		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041

Name	OJ990501_20.9819.C3.o1.np	Method	AAT/NAP
Start	1315	End	3041
GI	2459436	Score	179
Exons	1315..1809, 2977..3041		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13446	Strand	+
Start	3228	End	3667
Name	OJ990501_20.9819.C4.o3.np	Method	AAT/NAP
Start	3228	End	3667
GI	5281020	Score	305
Exons	3228..3440, 3570..3667		
GI Descrip.	(Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.np	Method	AAT/NAP
Start	85	End	1393
GI	5777617	Score	84
Exons	85..182, 1339..1393		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.gs	Method	GENSCAN
Start	802	End	2470
GI	none	Score	.68
Exons	802..2119, 2361..2470		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	817	End	1134
GI	none	Score	77
Exons	817..1014, 818..1012, 847..1014, 1045..1134, 1049..1126		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	1150	End	1666
GI	none	Score	93
Exons	1150..1251, 1285..1377, 1432..1602, 1436..1666		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1156	End	1596
GI	none	Score	60
Exons	1156..1371, 1262..1369, 1423..1596, 1424..1591		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.np	Method	AAT/NAP
Start	1276	End	3667
GI	2459436	Score	229
Exons	1276..1759, 3645..3667		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1300	End	1656
GI	none	Score	75
Exons	1300..1371, 1429..1656, 1436..1603		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	2462	End	2605
GI	none	Score	135
Exons	2462..2605, 2478..2570		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	3203	End	3451
GI	none	Score	329
Exons	3203..3442, 3204..3443, 3206..3451, 3207..3443		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3222	End	3464
GI	none	Score	279
Exons	3222..3443, 3227..3442, 3252..3464		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3242	End	3459
GI	none	Score	331
Exons	3242..3442, 3243..3443, 3243..3443, 3367..3459		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13448	Strand	+
Start	1	End	3218
Name	OJ990501_20.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	5281020	Score	860
Exons	1..311, 632..783, 973..1150, 1280..1467, 1712..1916, 2403..2508, 2609..2730		

GI Descrip. (Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13448	Strand	+
Start	1	End	3218
Name	OJ990501_20.9819.C5.o1.gs	Method	GENSCAN
Start	64	End	3218
GI	none	Score	.91
Exons	64..311, 632..783, 973..1150, 1280..1467, 1712..1916, 2403..2508, 3202..3218		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	58	End	1048
GI	none	Score	282
Exons	58..312, 59..313, 60..314, 620..718, 625..720, 631..711, 971..1039, 971..1048		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	1112	End	1480
GI	none	Score	77
Exons	1112..1156, 1112..1159, 1173..1241, 1238..1339, 1238..1330, 1267..1338, 1314..1478, 1315..1368, 1316..1480, 1316..1474		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	1118	End	1919
GI	none	Score	44
Exons	1118..1156, 1280..1465, 1709..1918, 1713..1919		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.gs	Method	GENSCAN
Start	4183	End	6284
GI	none	Score	.74
Exons	4183..4217, 4430..4495, 4765..5101, 6081..6284		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.np	Method	AAT/NAP
Start	4768	End	7424
GI	2980768	Score	306
Exons	4768..5051, 5937..5995, 6081..6146, 7222..7307, 7398..7424		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13450	Strand	-

Start	75	End	770
Name	OJ990501_20.9819.C6.o1.gs	Method	GENSCAN
Start	75	End	730
GI	none	Score	.49
Exons	75..217, 338..730		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13450	Strand	-
Start	75	End	770
Name	OJ990501_20.9819.C6.o1.gp	Method	AAT/GAP
Start	154	End	770
GI	uC-osflcyp030f05b1	Score	962
Exons	154..217, 338..770		
GI Descrip.	'4263711/gb AAD15397 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]'		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13451	Strand	-
Start	2012	End	3779
Name	OJ990501_20.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	334	End	697
GI	none	Score	37
Exons	334..354, 338..382, 359..496, 461..520, 501..521, 620..697, 621..695		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13451	Strand	-
Start	2012	End	3779
Name	OJ990501_20.9819.C6.o2.gs	Method	GENSCAN
Start	2012	End	3779
GI	none	Score	.63
Exons	2012..2168, 3691..3779		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13452	Strand	+
Start	656	End	2200
Name	OJ990501_20.9819.C7.o1.gs	Method	GENSCAN
Start	656	End	2200
GI	none	Score	.82
Exons	656..726, 1408..1489, 2027..2200		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13453	Strand	+
Start	2823	End	6599
Name	OJ990501_20.9819.C7.o2.gs	Method	GENSCAN
Start	2823	End	6555
GI	none	Score	.63
Exons	2823..2966, 3616..3702, 4134..4319, 5052..5267, 5388..5440, 6311..6555		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13453	Strand	+
Start	2823	End	6599
Name	OJ990501_20.9819.C7.o2.np	Method	AAT/NAP
Start	3453	End	6599
GI	4580457	Score	261
Exons	3453..3702, 4134..4352, 5052..5267, 5388..5534, 6220..6599		

GI Descrip. (AC006081) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13454	Strand	-
Start	1	End	4054
Name	OJ990501_20.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	4054
GI	6063557	Score	78

Exons 1..93, 1644..1824, 4018..4054
GI Descrip. (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]

Seq. No.	6382	Seq. ID	OJ990501_20.9819.C8
Gene No.	13455	Strand	+
Start	279	End	329
Name	OJ990501_20.9819.C8.o1.gs	Method	GENSCAN
Start	279	End	329
GI	none	Score	.89

Exons 279..329

Seq. No.	6383	Seq. ID	OJ990501_20.9819.C9
Gene No.	13456	Strand	-
Start	279	End	820
Name	OJ990501_20.9819.C9.o1.np	Method	AAT/NAP
Start	279	End	820
GI	425682	Score	113

Exons 279..410, 610..820

GI Descrip. extensin=node-specific proline-rich protein {clone VfNDS-E}
[Vicia faba=broadbeans, root nodules, Peptide Partial, 116 aa]

Seq. No.	6384	Seq. ID	OJ990501_20.9819.C11
Gene No.	13457	Strand	+
Start	5880	End	5980
Name	OJ990501_20.9819.C11.o1.gp	Method	AAT/GAP
Start	5880	End	5980
GI	LIB3477-003-P1-K1-E9	Score	139

Exons 5880..5980

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
sativa]'

Seq. No.	6384	Seq. ID	OJ990501_20.9819.C11
Gene No.	13458	Strand	-
Start	6720	End	7059
Name	OJ990501_20.9819.C11.o2.gs	Method	GENSCAN
Start	6720	End	7059
GI	none	Score	.68

Exons 6720..6803, 6857..6978, 7008..7059

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13459	Strand	+
Start	44	End	360
Name	OJ990501_20.9819.C12.o1.gp	Method	AAT/GAP
Start	44	End	360
GI	none	Score	546

Exons 44..360

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
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Gene No.	13460	Strand	-
Start	512	End	7623
Name	OJ990501_20.9819.C12.o1.gs	Method	GENSCAN
Start	512	End	7623
GI	none	Score	.77
Exons	512..784, 1037..1084, 1177..1413, 2137..2173, 3507..3785, 3959..4237, 6312..6477, 7515..7623		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13460	Strand	-
Start	512	End	7623
Name	OJ990501_20.9819.C12.o1.np	Method	AAT/NAP
Start	515	End	3817
GI	2980764	Score	965
Exons	515..784, 1037..1138, 1177..1413, 3486..3817		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	499	End	1417
GI	none	Score	61
Exons	499..555, 503..553, 507..554, 572..784, 576..788, 1036..1086, 1036..1086, 1037..1213, 1038..1091, 1165..1413, 1177..1416, 1178..1417, 1178..1417		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	560	End	3577
GI	none	Score	125
Exons	560..784, 609..788, 1037..1213, 1038..1085, 1165..1407, 1177..1416, 1184..1414, 2137..2187, 3509..3577		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	594	End	3821
GI	none	Score	134
Exons	594..731, 597..722, 617..751, 719..784, 1028..1087, 1050..1085, 1177..1416, 1184..1417, 2137..2187, 3509..3679, 3516..3680, 3734..3784, 3734..3817, 3795..3821		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	3536	End	3817
GI	none	Score	117
Exons	3536..3769, 3537..3704, 3752..3817		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258

Name	OJ990501_20.9819.C12.o2.gs	Method	GENSCAN
Start	8492	End	13258
GI	none	Score	.71
Exons	8492..8855, 9522..9601, 9790..9889, 9989..10215, 10415..12038, 12183..13258		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	9421	End	11113
GI	none	Score	100
Exons	9421..9606, 9421..9522, 9422..9607, 9423..9608, 9785..9865, 9787..9852, 9789..9860, 9846..9890, 9850..9891, 9851..9892, 9987..10130, 9988..10158, 9989..10216, 9989..10156, 10063..10176, 10160..10216, 10162..10218, 10163..10219, 10165..10236, 10412..10480, 10412..11113, 10422..11111, 10514..11113		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	10424	End	10831
GI	none	Score	73
Exons	10424..10519, 10425..10535, 10493..10771, 10494..10772, 10775..10831		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	11399	End	11912
GI	none	Score	58
Exons	11399..11443, 11400..11444, 11402..11458, 11404..11460, 11470..11823, 11482..11910, 11484..11912, 11492..11911, 11517..11912		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	11786	End	12016
GI	none	Score	198
Exons	11786..12016		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	12356	End	12650
GI	none	Score	170
Exons	12356..12649, 12398..12643, 12486..12650		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13462	Strand	-
Start	1	End	3418

Name	OJ990501_20.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	3418
GI	1817584	Score	385
Exons	1..44, 193..306, 1025..1151, 1955..2115, 2190..2235, 2427..2536, 3135..3418		
GI Descrip.	(Y08991) adaptor protein [Homo sapiens]		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13462	Strand	-
Start	1	End	3418
Name	OJ990501_20.9819.C13.o1.gs	Method	GENSCAN
Start	204	End	3418
GI	none	Score	.82
Exons	204..243, 277..306, 1025..1104, 1955..2115, 2190..2235, 2427..2549, 3028..3102, 3218..3418		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13463	Strand	-
Start	5965	End	9264
Name	OJ990501_20.9819.C13.o2.np	Method	AAT/NAP
Start	5534	End	6909
GI	4680492	Score	538
Exons	5534..5889, 6885..6909		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13463	Strand	-
Start	5965	End	9264
Name	OJ990501_20.9819.C13.o2.gs	Method	GENSCAN
Start	5965	End	9264
GI	none	Score	.63
Exons	5965..6135, 7832..7969, 8856..8932, 9216..9264		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.gs	Method	GENSCAN
Start	1027	End	5658
GI	none	Score	.57
Exons	1027..1564, 1698..2003, 2625..3422, 3539..4516, 4836..5029, 5149..5658		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.np	Method	AAT/NAP
Start	1784	End	5984
GI	4544372	Score	554
Exons	1784..1838, 4950..5984		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	2723	End	3019

GI	none	Score	157
Exons	2723..2848, 2740..2847, 2873..3019, 2878..2994		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	4243	End	4593
GI	none	Score	191
Exons	4243..4593		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	5236	End	5644
GI	none	Score	607
Exons	5236..5643, 5253..5570, 5362..5592, 5546..5644		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	5296	End	5511
GI	none	Score	304
Exons	5296..5511, 5298..5510		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	5512	End	5940
GI	none	Score	545
Exons	5512..5940, 5512..5937, 5835..5939		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	5659	End	5958
GI	none	Score	216
Exons	5659..5958, 5694..5783, 5716..5901, 5859..5957		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	5662	End	5940
GI	none	Score	181
Exons	5662..5940, 5716..5874		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13465	Strand	+
Start	329	End	3241
Name	OJ990501_20.9819.C15.o1.gs	Method	GENSCAN
Start	329	End	3241
GI	none	Score	.66

Exons 329..580, 674..1024, 1274..1949, 2593..2663, 3014..3241

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13465	Strand	+
Start	329	End	3241
Name	OJ990501_20.9819.C15.o1.np	Method	AAT/NAP
Start	387	End	2086
GI	4115365	Score	579
Exons	387..739, 800..1263, 1309..2086		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o1.gp	Method	AAT/GAP
Start	7934	End	8563
GI	723_1.R1084	Score	730
Exons	7934..7982, 8080..8183, 8296..8563		
GI Descrip.	'576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o3.gs	Method	GENSCAN
Start	7980	End	8344
GI	none	Score	.97
Exons	7980..7982, 8080..8183, 8296..8344		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o2.np	Method	AAT/NAP
Start	8077	End	8341
GI	1710551	Score	246
Exons	8077..8183, 8296..8341		
GI Descrip.	60S RIBOSOMAL PROTEIN L39 gi 1177369 emb CAA64728.1 (X95458) ribosomal protein L39 [Zea mays]		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	23	End	451
GI	none	Score	70
Exons	23..109, 160..234, 161..451, 265..369		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	38	End	388
GI	none	Score	104
Exons	38..115, 145..231, 146..388, 271..384		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
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Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	1085	End	1483
GI	none	Score	82
Exons	1085..1264, 1259..1483		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	1109	End	1504
GI	none	Score	242
Exons	1109..1504, 1184..1324, 1210..1404		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	1655	End	2071
GI	none	Score	87
Exons	1655..1795, 1847..2071		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	1847	End	2092
GI	none	Score	247
Exons	1847..2092, 1891..1977, 2053..2088		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.np	Method	AAT/NAP
Start	7444	End	10528
GI	4539658	Score	114
Exons	7444..7513, 10223..10409, 10507..10528		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	7929	End	8530
GI	none	Score	51
Exons	7929..7958, 7934..7963, 8059..8184, 8079..8219, 8144..8185, 8292..8369, 8293..8367, 8294..8371, 8376..8405, 8495..8530		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	8071	End	8501
GI	none	Score	180
Exons	8071..8184, 8079..8219, 8080..8184, 8292..8342, 8293..8340,		

8294..8356, 8376..8405, 8376..8405, 8436..8501

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	8079	End	8344
GI	none	Score	167
Exons	8079..8186, 8080..8184, 8293..8340, 8294..8344		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	8079	End	8345
GI	none	Score	189
Exons	8079..8219, 8080..8184, 8273..8335, 8293..8340, 8294..8344, 8307..8345		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	9947	End	10181
GI	none	Score	108
Exons	9947..10063, 9947..10066, 10002..10079, 10051..10167, 10052..10180, 10059..10181, 10061..10180		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o4.np	Method	AAT/NAP
Start	10223	End	10528
GI	4539658	Score	102
Exons	10223..10409, 10507..10528		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13468	Strand	+
Start	372	End	2849
Name	OJ990501_20.9819.C16.o1.gp	Method	AAT/GAP
Start	372	End	586
GI	LIB3475-004-P1-K2-A5	Score	320
Exons	372..586		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13468	Strand	+
Start	372	End	2849
Name	OJ990501_20.9819.C16.o1.gs	Method	GENSCAN
Start	390	End	2849
GI	none	Score	.7
Exons	390..444, 1549..1666, 2738..2849		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
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Gene No.	13469	Strand	+
Start	7609	End	12442
Name	OJ990501_20.9819.C16.o3.gs	Method	GENSCAN
Start	7609	End	12189
GI	none	Score	.55
Exons	7609..7647, 7677..7760, 8875..8989, 9591..9741, 9812..9991, 10661..10678, 11761..11839, 11941..12044, 12141..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13469	Strand	+
Start	7609	End	12442
Name	OJ990501_20.9819.C16.o2.gp	Method	AAT/GAP
Start	11774	End	12442
GI	723 4.R1084	Score	826
Exons	11774..11839, 11941..12044, 12141..12442		
GI Descrip.	'1710551/sp P51425 RL39_MAIZE 7.0e-25 60S RIBOSOMAL PROTEIN L39 >gi_1177369_emb_CAA64728.1_ (X95458) ribosomal protein L39 [Zea mays]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o2.np	Method	AAT/NAP
Start	15222	End	19277
GI	1076663	Score	3927
Exons	15222..15272, 15353..17521, 17625..17690, 17898..18370, 19184..19277		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) (clone PHA2) - potato gi 435001 emb CAA54045 (X76535) H(+)-transporting ATPase [Solanum tuberosum]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o4.gs	Method	GENSCAN
Start	15225	End	19280
GI	none	Score	.95
Exons	15225..15272, 15353..17521, 17625..17715, 17890..18370, 19184..19280		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o4.gp	Method	AAT/GAP
Start	17361	End	18076
GI	uC-osf1M202052f05b1	Score	715
Exons	17361..17521, 17625..17690, 17898..18076		
GI Descrip.	'114335/sp P19456 PMA2 ARATH 2.0e-47 PLASMA MEMBRANE ATPASE 2 (PROTON PUMP) >gi_67973_pir_PXMUP2 H+-transporting ATPase (EC 3.6.1.35) type 2, plasma membrane - Arabidopsis thaliana >gi_166629 (J05570) H+-ATPase [Arabidopsis thaliana] >gi_5730129_emb_CAB52463.1_ (AL109796) H+-transporting ATPase type 2, plasma membrane [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545

Name	OJ990501_20.9819.C16.o5.gp	Method	AAT/GAP
Start	18080	End	19545
GI	36525_1.R1084	Score	1258
Exons	18080..18370, 19184..19545		
GI Descrip.	'1076511/pir S52728 1.0e-49 H+-transporting ATPase (EC 3.6.1.35) - kidney bean >gi_758250_emb_CAA59799_ (X85804) H(+)-transporting ATPase [Phaseolus vulgaris]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o4.np	Method	AAT/NAP
Start	25696	End	29570
GI	2130091	Score	1900
Exons	25696..25761, 25865..25924, 26571..26765, 26842..26880, 26996..27085, 27215..27323, 27428..27537, 27769..27912, 27994..28160, 29036..29300, 29442..29570		
GI Descrip.	aspartate aminotransferase - proso millet gi 633095 dbj BAA08106 (D45076) plastidic aspartate aminotransferase [Panicum miliaceum]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o6.gs	Method	GENSCAN
Start	26589	End	37541
GI	none	Score	.48
Exons	26589..26765, 26996..27085, 27230..27323, 27428..27537, 27769..27912, 27994..28160, 29036..29300, 29442..29564, 31758..31895, 32945..34129, 34155..34225, 34411..34631, 35004..35363, 35751..35888, 36799..37541		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o9.gp	Method	AAT/GAP
Start	27785	End	29657
GI	13944_1.R1084	Score	1267
Exons	27785..27912, 27994..28160, 29036..29300, 29442..29657		
GI Descrip.	'2130091/pir S65675 1.0e-119 aspartate aminotransferase - proso millet >gi_633095_dbj_BAA08106_ (D45076) plastidic aspartate aminotransferase [Panicum miliaceum]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o5.np	Method	AAT/NAP
Start	31013	End	35389
GI	2961349	Score	1886
Exons	31013..31523, 32085..33322, 33776..35389		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o10.gp	Method	AAT/GAP

Start	37358	End	38403
GI	none	Score	1974
Exons	37358..38403		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13472	Strand	-
Start	1	End	459
Name	OJ990501_20.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	459
GI	4539658	Score	100
Exons	1..154, 334..459		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13473	Strand	-
Start	3701	End	5421
Name	OJ990501_20.9819.C16.o2.gs	Method	GENSCAN
Start	3701	End	5421
GI	none	Score	.5
Exons	3701..4136, 4251..4349, 5363..5421		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o11.ts	Method	TBLASTX:Soybean
Start	4028	End	4334
GI	none	Score	68
Exons	4028..4135, 4029..4136, 4256..4333, 4266..4334		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o12.tm	Method	TBLASTX:Maize
Start	4028	End	4357
GI	none	Score	57
Exons	4028..4135, 4029..4136, 4247..4306, 4256..4357		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o7.tm	Method	TBLASTX:Maize
Start	11920	End	12403
GI	none	Score	191
Exons	11920..12045, 11940..12047, 12136..12189, 12137..12241, 12138..12242, 12139..12243, 12243..12278, 12368..12403		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.tw	Method	TBLASTX:Wheat
Start	11932	End	12373
GI	none	Score	180
Exons	11932..12045, 11940..12047, 11941..12045, 12137..12187, 12137..12187, 12138..12188, 12139..12189, 12247..12276, 12249..12278, 12267..12338, 12284..12310, 12329..12373		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o10.ts	Method	TBLASTX:Soybean
Start	11940	End	12189
GI	none	Score	189
Exons	11940..12047, 11941..12045, 12138..12185, 12139..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.tc	Method	TBLASTX:Cress
Start	11940	End	12189
GI	none	Score	167
Exons	11940..12047, 11941..12045, 12138..12185, 12139..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.ts	Method	TBLASTX:Soybean
Start	15225	End	15766
GI	none	Score	57
Exons	15225..15278, 15352..15765, 15353..15766		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	15240	End	19279
GI	none	Score	50
Exons	15240..15272, 15352..15756, 15353..16927, 15853..16278, 16363..16911, 16931..17104, 16954..17088, 17086..17517, 17087..17521, 17624..17704, 17625..17705, 17895..18176, 17897..18043, 18177..18269, 18179..18265, 18273..18371, 18320..18382, 19175..19279, 19182..19271		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	15388	End	19279
GI	none	Score	2004
Exons	15388..15756, 15389..16927, 15656..15859, 15853..16278, 16280..16567, 16363..16911, 16910..17521, 16954..17517, 17624..17698, 17625..17705, 17894..18052, 17895..18176, 18095..18172, 18168..18269, 18182..18268, 18279..18371, 18302..18370, 19166..19279, 19182..19271		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	15503	End	16051
GI	none	Score	57
Exons	15503..15634, 15565..15756, 15566..16051, 15659..15883, 15853..16050		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	15767	End	16879
GI	none	Score	1486
Exons	15767..16879, 15853..16278, 16363..16866, 16736..16879		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	16097	End	16357
GI	none	Score	385
Exons	16097..16357, 16099..16278, 16280..16354		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	16637	End	18041
GI	none	Score	416
Exons	16637..16927, 16639..16911, 16910..17521, 16954..17520, 17627..17698, 17631..17705, 17894..18040, 17895..18041		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	16880	End	19280
GI	none	Score	75
Exons	16880..16927, 16882..16911, 16910..17521, 16951..17517, 17624..17704, 17625..17705, 17895..18176, 17897..18052, 18095..18172, 18168..18290, 18182..18265, 18273..18371, 18284..18382, 19166..19276, 19182..19271, 19185..19280		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o9.tw	Method	TBLASTX:Wheat
Start	18092	End	18290
GI	none	Score	114
Exons	18092..18172, 18093..18176, 18168..18290, 18182..18265		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o5.gs	Method	GENSCAN
Start	19969	End	25785
GI	none	Score	.91
Exons	19969..20052, 20134..20235, 20316..20445, 20977..21071, 21140..21235, 21354..21486, 21603..21694, 21779..21883, 22136..22270, 22356..22461, 22556..22683, 22795..22893, 23047..23163, 23238..23381, 23468..23651, 23674..23858, 24477..24548, 24732..24825, 24896..24967, 25730..25785		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
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Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.np	Method	AAT/NAP
Start	19972	End	23840
GI	3327389	Score	2204
Exons	19972..20052, 20134..20235, 20316..20445, 20609..20718, 20795..20885, 20977..21071, 21140..21235, 21354..21486, 21603..21694, 21779..21883, 21954..22031, 22136..22270, 22356..22466, 22552..22683, 22795..22893, 22984..23163, 23238..23381, 23468..23582, 23674..23840		
GI Descrip.	(AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	20146	End	22878
GI	none	Score	136
Exons	20146..20238, 20147..20236, 20151..20240, 20316..20444, 20317..20454, 20317..20445, 20608..20721, 20609..20722, 20610..20726, 20795..20887, 20796..20888, 20797..20892, 20974..21090, 20974..21072, 20976..21080, 21140..21259, 21140..21238, 21332..21487, 21343..21489, 21345..21488, 21345..21494, 21355..21495, 21593..21694, 21606..21695, 21610..21696, 21780..21887, 21788..21886, 21954..22034, 21955..22032, 22136..22273, 22136..22270, 22137..22271, 22353..22460, 22354..22485, 22356..22463, 22543..22686, 22547..22684, 22558..22686, 22793..22876, 22794..22877, 22795..22878, 22795..22878		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.gp	Method	AAT/GAP
Start	20157	End	21195
GI	uC-osflcyp037d09b1	Score	994
Exons	20157..20235, 20316..20445, 20609..20718, 20795..20885, 20977..21071, 21140..21195		
GI Descrip.	'3327389 3.0e-34 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	20674	End	22189
GI	none	Score	62
Exons	20674..20721, 20675..20722, 20793..20888, 20795..20887, 20976..20993, 20997..21068, 21133..21237, 21137..21241, 21137..21238, 21345..21488, 21345..21494, 21355..21495, 21593..21694, 21606..21695, 21788..21886, 21789..21887, 21795..21887, 21954..22025, 21954..22034, 21955..22026, 22136..22189, 22137..22184		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-

Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.tc	Method	TBLASTX:Cress
Start	21161	End	22333
GI	none	Score	80
Exons	21161..21223, 21354..21488, 21373..21489, 21602..21682, 21602..21703, 21606..21710, 21788..21886, 21789..21887, 21954..22013, 21955..22005, 22136..22333		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o8.tw	Method	TBLASTX:Wheat
Start	21164	End	21682
GI	none	Score	94
Exons	21164..21235, 21355..21486, 21363..21488, 21593..21682, 21597..21680, 21605..21682		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o7.gp	Method	AAT/GAP
Start	21211	End	21672
GI	429006	Score	408
Exons	21211..21235, 21354..21486, 21603..21672		
GI Descrip.	3327389 3.0e-34 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o5.ts	Method	TBLASTX:Soybean
Start	22329	End	23053
GI	none	Score	66
Exons	22329..22463, 22338..22460, 22351..22461, 22561..22686, 22562..22684, 22741..22902, 22794..22916, 22795..22896, 22984..23052, 22985..23053		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o8.gp	Method	AAT/GAP
Start	23122	End	23908
GI	LIB3477-011-P1-K1-F8	Score	988
Exons	23122..23163, 23238..23381, 23468..23582, 23674..23908		
GI Descrip.	'3327389 2.0e-39 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o11.tm	Method	TBLASTX:Maize
Start	23673	End	23841
GI	none	Score	177
Exons	23673..23840, 23674..23841		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	

Start	26553	End	29678
Name	OJ990501_20.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	26553	End	29678
GI	none	Score	322
Exons	26553..26765, 26553..26765, 26569..26766, 26570..26767, 26837..26875, 26840..26878, 26842..26880, 26993..27088, 26993..27082, 27214..27336, 27215..27337, 27427..27561, 27434..27541, 27768..27911, 27769..27912, 27979..28161, 27979..28176, 27993..28190, 29033..29293, 29034..29300, 29034..29300, 29035..29301, 29334..29354, 29384..29440, 29438..29572, 29439..29585, 29439..29573, 29614..29640, 29616..29642, 29619..29678		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	
Start	26553	End	29678
Name	OJ990501_20.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	26568	End	29588
GI	none	Score	270
Exons	26568..26765, 26582..26734, 26596..26766, 26842..26880, 26855..26875, 26993..27088, 26993..27088, 27214..27336, 27215..27337, 27426..27533, 27427..27561, 27430..27537, 27765..27908, 27772..27912, 27979..28161, 27980..28147, 27993..28160, 29017..29094, 29033..29299, 29034..29300, 29034..29300, 29134..29301, 29259..29339, 29439..29588, 29441..29569		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	
Start	26553	End	29678
Name	OJ990501_20.9819.C16.o7.ts	Method	TBLASTX:Soybean
Start	26576	End	29585
GI	none	Score	289
Exons	26576..26737, 26577..26765, 26583..26765, 26590..26769, 26591..26776, 26840..26878, 26842..26880, 26993..27088, 26993..27079, 27214..27336, 27215..27337, 27426..27533, 27427..27561, 27430..27537, 27735..27905, 27769..27912, 27781..27912, 27979..28161, 27993..28160, 29033..29293, 29033..29293, 29034..29300, 29034..29300, 29035..29301, 29434..29532, 29439..29585, 29441..29569		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13476	Strand	
Start	30959	End	31266
Name	OJ990501_20.9819.C16.o8.tm	Method	TBLASTX:Maize
Start	30959	End	31266
GI	none	Score	316
Exons	30959..31258, 30970..31266, 31075..31266		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13477	Strand	
Start	32336	End	32677
Name	OJ990501_20.9819.C16.o9.tm	Method	TBLASTX:Maize
Start	32336	End	32677
GI	none	Score	87
Exons	32336..32407, 32428..32667, 32438..32671, 32472..32672, 32483..32677		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tm	Method	TBLASTX:Maize
Start	32684	End	33416
GI	none	Score	70
Exons	32684..32755, 32765..33361, 32839..33069, 33315..33416		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tw	Method	TBLASTX:Wheat
Start	32696	End	33304
GI	none	Score	290
Exons	32696..33082, 32848..33078, 33097..33174, 33098..33187, 33182..33304, 33196..33234		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o9.ts	Method	TBLASTX:Soybean
Start	32861	End	33322
GI	none	Score	291
Exons	32861..33322, 32935..33162		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tc	Method	TBLASTX:Cress
Start	32900	End	33325
GI	none	Score	293
Exons	32900..33325, 32902..33051		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o8.ts	Method	TBLASTX:Soybean
Start	33848	End	34344
GI	5509260	Score	400
Exons	33848..34339, 34068..34220, 34183..34344		
GI Descrip.	-		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o10.tm	Method	TBLASTX:Maize
Start	33884	End	34153
GI	none	Score	256
Exons	33884..34153, 33992..34147		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tc	Method	TBLASTX:Cress
Start	33974	End	34243
GI	none	Score	294

Exons 33974..34243, 33983..34234

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tw	Method	TBLASTX:Wheat
Start	34025	End	34570
GI	none	Score	282
Exons	34025..34369, 34081..34140, 34183..34314, 34361..34570, 34408..34533		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o6.tm	Method	TBLASTX:Maize
Start	34159	End	34603
GI	none	Score	341
Exons	34159..34215, 34163..34603, 34276..34338		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o7.tc	Method	TBLASTX:Cress
Start	34388	End	34708
GI	none	Score	207
Exons	34388..34708		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o12.ts	Method	TBLASTX:Soybean
Start	34523	End	34699
GI	none	Score	190
Exons	34523..34699, 34525..34668		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o7.tw	Method	TBLASTX:Wheat
Start	34580	End	34966
GI	none	Score	108
Exons	34580..34699, 34720..34815, 34721..34966, 34914..34955		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tm	Method	TBLASTX:Maize
Start	34712	End	35374
GI	none	Score	324
Exons	34712..35068, 34810..34881, 34966..35118, 35149..35223, 35150..35374		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.ts	Method	TBLASTX:Soybean
Start	34730	End	35404

GI	none	Score	418
Exons	34730..35077, 34732..34902, 34917..35042, 34963..35241, 35144..35404		

Seq. No.	6390	Seq. ID	OJ990501_29.9819.C1
Gene No.	13480	Strand	-
Start	384	End	906
Name	OJ990501_29.9819.C1.o1.np	Method	AAT/NAP
Start	384	End	906
GI	5852178	Score	110
Exons	384..485, 861..906		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13481	Strand	+
Start	2799	End	6034
Name	OJ990501_29.9819.C2.o2.gs	Method	GENSCAN
Start	2799	End	6034
GI	none	Score	.81
Exons	2799..2879, 3656..4032, 4764..4887, 5609..6034		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13482	Strand	-
Start	269	End	392
Name	OJ990501_29.9819.C2.o1.gs	Method	GENSCAN
Start	269	End	392
GI	none	Score	.58
Exons	269..392		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13483	Strand	-
Start	300	End	1727
Name	OJ990501_29.9819.C2.o1.np	Method	AAT/NAP
Start	300	End	1727
GI	5852182	Score	443
Exons	300..629, 1434..1479, 1634..1727		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.gs	Method	GENSCAN
Start	6726	End	7479
GI	none	Score	.89
Exons	6726..6839, 6891..6992, 7078..7479		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.np	Method	AAT/NAP
Start	6729	End	9262
GI	4680179	Score	3597
Exons	6729..9262		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-

Start 6726
 Name OJ990501_29.9819.C2.o6.tw
 Start 6774
 GI none
 Exons 6774..7010, 6976..7107

End 9262
 Method TBLASTX:Wheat
 End 7107
 Score 117

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o1.tm
 Start 6969
 GI none
 Exons 6969..7010, 7006..7395, 7094..7396, 7393..7554, 7400..7546, 7402..7548

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method TBLASTX:Maize
 End 7554
 Score 160

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o1.tw
 Start 7108
 GI none
 Exons 7108..7728, 7109..7729

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method TBLASTX:Wheat
 End 7729
 Score 331

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o3.tm
 Start 7603
 GI none
 Exons 7603..7893, 7607..7894

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method TBLASTX:Maize
 End 7894
 Score 282

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o2.ts
 Start 7693
 GI none
 Exons 7693..7953, 7694..7951

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method TBLASTX:Soybean
 End 7953
 Score 178

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o2.tw
 Start 7741
 GI none
 Exons 7741..8277, 7742..8275

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method TBLASTX:Wheat
 End 8277
 Score 343

Seq. No. 6391
 Gene No. 13484
 Start 6726
 Name OJ990501_29.9819.C2.o4.gs
 Start 7879
 GI none
 Exons 7879..8611, 8798..9159

Seq. ID OJ990501_29.9819.C2
 Strand -
 End 9262
 Method GENSCAN
 End 9159
 Score .56

Seq. No. 6391
 Gene No. 13484

Seq. ID OJ990501_29.9819.C2
 Strand -

Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	8347	End	8746
GI	none	Score	185
Exons	8347..8745, 8350..8670, 8354..8746		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	8404	End	8829
GI	none	Score	173
Exons	8404..8829, 8405..8605, 8660..8782		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	8461	End	8709
GI	none	Score	86
Exons	8461..8709, 8480..8674		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	8731	End	9126
GI	none	Score	189
Exons	8731..9090, 8741..8974, 9010..9090, 9094..9126, 9094..9126		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	8749	End	8979
GI	none	Score	241
Exons	8749..8979, 8750..8974		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	8830	End	9180
GI	none	Score	90
Exons	8830..8982, 8831..8971, 9037..9180, 9047..9172		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	9013	End	9240
GI	none	Score	172
Exons	9013..9195, 9034..9189, 9193..9240		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013

Name	OJ990501_29.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	2543
GI	5042447	Score	1704
Exons	1..923, 951..1917, 2424..2543		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013
Name	OJ990501_29.9819.C3.o1.gs	Method	GENSCAN
Start	18	End	2950
GI	none	Score	.66
Exons	18..637, 866..1168, 1270..1473, 1735..1963, 2216..2950		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013
Name	OJ990501_29.9819.C3.o2.np	Method	AAT/NAP
Start	2252	End	3013
GI	4512229	Score	982
Exons	2252..3013		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	73	End	384
GI	none	Score	200
Exons	73..255, 79..384, 81..380		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	79	End	371
GI	none	Score	122
Exons	79..264, 81..371		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	519	End	866
GI	none	Score	233
Exons	519..866		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	1226	End	1564
GI	none	Score	102
Exons	1226..1564, 1229..1537		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-

Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1564
GI	none	Score	46
Exons	1265..1564, 1266..1334, 1434..1520		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o3.np	Method	AAT/NAP
Start	3100	End	4685
GI	6063554	Score	252
Exons	3100..3269, 4124..4382, 4500..4685		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.gs	Method	GENSCAN
Start	4014	End	6886
GI	none	Score	.72
Exons	4014..4119, 4151..4386, 5242..5348, 6054..6245, 6784..6886		

Seq. No.	6393	Seq. ID	OJ990501_29.9819.C4
Gene No.	13487	Strand	+
Start	112	End	267
Name	OJ990501_29.9819.C4.o1.gs	Method	GENSCAN
Start	112	End	267
GI	none	Score	.54
Exons	112..267		

Seq. No.	6394	Seq. ID	OJ990501_29.9819.C5
Gene No.	13488	Strand	-
Start	2110	End	2410
Name	OJ990501_29.9819.C5.o1.gs	Method	GENSCAN
Start	2110	End	2410
GI	none	Score	.84
Exons	2110..2263, 2358..2410		

Seq. No.	6395	Seq. ID	OJ990501_29.9819.C6
Gene No.	13489	Strand	-
Start	343	End	586
Name	OJ990501_29.9819.C6.o1.gs	Method	GENSCAN
Start	343	End	586
GI	none	Score	.6
Exons	343..402, 446..586		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13490	Strand	-
Start	1	End	246
Name	OJ990501_29.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	246
GI	4512229	Score	227
Exons	1..246		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o2.np	Method	AAT/NAP
Start	1515	End	3514
GI	4680179	Score	938
Exons	1515..1734, 1762..2784, 3450..3514		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o1.gs	Method	GENSCAN
Start	1603	End	3770
GI	none	Score	.53
Exons	1603..2242, 2284..2568, 2677..2783, 2973..2991, 3073..3770		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	2256	End	2612
GI	none	Score	74
Exons	2256..2612, 2257..2397, 2512..2604		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o3.np	Method	AAT/NAP
Start	3072	End	3833
GI	4512229	Score	1101
Exons	3072..3833		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.np	Method	AAT/NAP
Start	790	End	1139
GI	5852180	Score	113
Exons	790..1139		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.gs	Method	GENSCAN
Start	820	End	2493
GI	none	Score	.47
Exons	820..1038, 1142..1269, 1423..1573, 2135..2251, 2401..2493		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	1541	End	1852

GI	none	Score	76
Exons	1541..1750, 1601..1738, 1757..1852		
Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2090	End	2512
GI	none	Score	61
Exons	2090..2206, 2091..2201, 2216..2275, 2217..2264, 2270..2512, 2271..2429, 2354..2512		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2147	End	2441
GI	none	Score	151
Exons	2147..2431, 2148..2441		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	977
GI	4680179	Score	942
Exons	1..747, 891..977		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	45	End	543
GI	none	Score	67
Exons	45..542, 51..239, 52..543		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	100	End	682
GI	none	Score	180
Exons	100..258, 105..251, 255..557, 256..645, 641..682		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.gs	Method	GENSCAN
Start	172	End	702
GI	none	Score	.94
Exons	172..702		

Seq. No.	6399	Seq. ID	OJ990501_29.9819.C12
Gene No.	13494	Strand	-
Start	1	End	1221
Name	OJ990501_29.9819.C12.o1.np	Method	AAT/NAP

Start	1	End	1221
GI	4680179	Score	422
Exons	1..103, 229..643, 1112..1221		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6399	Seq. ID	OJ990501_29.9819.C12
Gene No.	13494	Strand	-
Start	1	End	1221
Name	OJ990501_29.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	344	End	539
GI	none	Score	118
Exons	344..538, 348..539		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1596
GI	6742729	Score	707
Exons	1..190, 820..1369, 1499..1596		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.gs	Method	GENSCAN
Start	811	End	1322
GI	none	Score	.98
Exons	811..1322		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	973	End	1215
GI	none	Score	186
Exons	973..1215		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	1045	End	1314
GI	none	Score	91
Exons	1045..1236, 1249..1314		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	1084	End	1326
GI	none	Score	104
Exons	1084..1287, 1084..1326, 1289..1318		

Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13496	Strand	+
Start	1178	End	2068

Name	OJ990501_29.9819.C14.o1.gp	Method	AAT/GAP
Start	1178	End	2068
GI	none	Score	1204
Exons	1178..1452, 1684..2068		
Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13497	Strand	-
Start	2088	End	3073
Name	OJ990501_29.9819.C14.o2.gs	Method	GENSCAN
Start	2088	End	3073
GI	none	Score	.44
Exons	2088..2167, 3067..3073		
Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13498	Strand	-
Start	5001	End	5402
Name	OJ990501_29.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	1834
GI	none	Score	200
Exons	1214..1237, 1247..1348, 1263..1451, 1322..1450, 1323..1451, 1324..1452, 1330..1452, 1683..1724, 1687..1725, 1701..1829, 1701..1826, 1711..1830, 1714..1827, 1715..1834		
Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13498	Strand	-
Start	5001	End	5402
Name	OJ990501_29.9819.C14.o3.gs	Method	GENSCAN
Start	5001	End	5402
GI	none	Score	.69
Exons	5001..5402		
Seq. No.	6402	Seq. ID	OJ990501_29.9819.C15
Gene No.	13499	Strand	-
Start	1	End	777
Name	OJ990501_29.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5902445	Score	618
Exons	1..463, 726..777		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6402	Seq. ID	OJ990501_29.9819.C15
Gene No.	13499	Strand	-
Start	1	End	777
Name	OJ990501_29.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	127	End	450
GI	none	Score	115
Exons	127..450, 128..448		
Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13500	Strand	+
Start	6235	End	6607
Name	OJ990501_29.9819.C16.o2.gs	Method	GENSCAN
Start	6235	End	6607
GI	none	Score	.97
Exons	6235..6357, 6368..6607		
Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16

Gene No.	13501	Strand	+
Start	11724	End	12105
Name	OJ990501_29.9819.C16.o3.gp	Method	AAT/GAP
Start	11724	End	12105
GI	uC-osflcyp033a04b1	Score	695
Exons	11724..12105		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	10981
GI	4680179	Score	2731
Exons	1..1771, 1799..2750, 10869..10981		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	296	End	661
GI	none	Score	148
Exons	296..661, 330..608		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	296	End	697
GI	none	Score	311
Exons	296..658, 297..659, 596..697, 603..677		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	410	End	805
GI	none	Score	181
Exons	410..661, 420..653, 725..769, 729..767, 746..805, 773..805		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	716	End	1163
GI	none	Score	69
Exons	716..1159, 921..1163		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1229
GI	none	Score	218
Exons	746..1228, 749..1117, 789..1229		

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o2.ts
 Start 878
 GI none
 Exons 878..1192

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method TBLASTX:Soybean
 End 1192
 Score 198

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o4.tw
 Start 1361
 GI none
 Exons 1361..1714

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method TBLASTX:Wheat
 End 1714
 Score 258

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o3.tw
 Start 2054
 GI none
 Exons 2054..2398, 2153..2401

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method TBLASTX:Wheat
 End 2401
 Score 63

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o3.tm
 Start 2060
 GI none
 Exons 2060..2383

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method TBLASTX:Maize
 End 2383
 Score 229

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o5.tw
 Start 2453
 GI none
 Exons 2453..2647, 2457..2648

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method TBLASTX:Wheat
 End 2648
 Score 118

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o3.gs
 Start 7508
 GI none
 Exons 7508..7569, 7901..7925, 8065..8317, 8322..8551

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method GENSCAN
 End 8551
 Score .87

Seq. No. 6403
 Gene No. 13502
 Start 1
 Name OJ990501_29.9819.C16.o4.gs
 Start 10419
 GI none
 Exons 10419..10972, 11704..11764

Seq. ID OJ990501_29.9819.C16
 Strand -
 End 14754
 Method GENSCAN
 End 11764
 Score .82

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.np	Method	AAT/NAP
Start	11657	End	14754
GI	4680186	Score	364
Exons	11657..11857, 12694..12805, 14721..14754		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o4.gp	Method	AAT/GAP
Start	13858	End	14275
GI	568184	Score	640
Exons	13858..14035, 14108..14275		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o5.gs	Method	GENSCAN
Start	13898	End	14410
GI	none	Score	.77
Exons	13898..14063, 14104..14201, 14207..14410		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13503	Strand	+
Start	9549	End	13001
Name	OJ990501_29.9819.C17.o3.gs	Method	GENSCAN
Start	9549	End	13001
GI	none	Score	.61
Exons	9549..9647, 10342..10640, 11091..11284, 11821..11877, 12754..13001		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13504	Strand	+
Start	17524	End	18390
Name	OJ990501_29.9819.C17.o4.gp	Method	AAT/GAP
Start	17524	End	18390
GI	none	Score	1063
Exons	17524..17812, 18040..18390		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13505	Strand	+
Start	18537	End	20754
Name	OJ990501_29.9819.C17.o5.gs	Method	GENSCAN
Start	18537	End	20754
GI	none	Score	.53
Exons	18537..18539, 19786..19918, 20001..20450, 20723..20754		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13506	Strand	-
Start	4427	End	4689
Name	OJ990501_29.9819.C17.o2.gp	Method	AAT/GAP
Start	4427	End	4689
GI	2315_5.R1084	Score	359
Exons	4427..4689		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o2.gs	Method	GENSCAN
Start	5796	End	7218
GI	none	Score	.88
Exons	5796..6338, 6644..7081, 7096..7218		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o1.np	Method	AAT/NAP
Start	5800	End	7455
GI	4680203	Score	1813
Exons	5800..7455		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o3.gp	Method	AAT/GAP
Start	5805	End	7451
GI	342 1.R1084	Score	2413
Exons	5805..7451		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13508	Strand	-
Start	15270	End	17862
Name	OJ990501_29.9819.C17.o4.gs	Method	GENSCAN
Start	15270	End	17862
GI	none	Score	.65
Exons	15270..15310, 15666..15720, 15782..15829, 17195..17290, 17431..17490, 17656..17862		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	5958	End	6200
GI	none	Score	196
Exons	5958..6200		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	6030	End	6481
GI	none	Score	46
Exons	6030..6221, 6234..6353, 6234..6359, 6353..6475, 6359..6481		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-

Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	6069	End	6524
GI	none	Score	118
Exons	6069..6272, 6069..6293, 6273..6359, 6274..6360, 6374..6478, 6378..6479, 6476..6523, 6480..6524		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	6692	End	6982
GI	none	Score	81
Exons	6692..6772, 6749..6955, 6767..6982, 6768..6974		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	6754	End	7149
GI	none	Score	195
Exons	6754..7014, 6770..7015, 6771..7007, 6998..7105, 7012..7149		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o3.tw	Method	TBLASTX:Wheat
Start	17549	End	18169
GI	none	Score	49
Exons	17549..17689, 17557..17583, 17593..17694, 17609..17797, 17668..17796, 17676..17798, 17750..17806, 18042..18164, 18044..18169, 18049..18165		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o6.gs	Method	GENSCAN
Start	24803	End	24966
GI	none	Score	.54
Exons	24803..24966		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13510	Strand	+
Start	9425	End	12380
Name	OJ990501_29.9819.C18.o2.np	Method	AAT/NAP
Start	9425	End	12377
GI	6691716	Score	2319
Exons	9425..10309, 10507..10679, 10761..11080, 11251..11417, 11493..11604, 11755..11859, 11932..12377		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13510	Strand	+
Start	9425	End	12380
Name	OJ990501_29.9819.C18.o3.gs	Method	GENSCAN

Start	9425	End	12380
GI	none	Score	.51
Exons	9425..10309, 10435..11155, 11230..11417, 11493..11682, 11755..11859, 11932..12380		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13511	Strand	-
Start	3080	End	3975
Name	OJ990501_29.9819.C18.o1.np	Method	AAT/NAP
Start	3080	End	3975
GI	5852178	Score	383
Exons	3080..3182, 3542..3638, 3670..3975		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13512	Strand	-
Start	6312	End	7591
Name	OJ990501_29.9819.C18.o2.gp	Method	AAT/GAP
Start	6272	End	6689
GI	568184	Score	640
Exons	6272..6449, 6522..6689		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13512	Strand	-
Start	6312	End	7591
Name	OJ990501_29.9819.C18.o2.gs	Method	GENSCAN
Start	6312	End	7591
GI	none	Score	.74
Exons	6312..6477, 6518..6615, 6621..6803, 6885..7014, 7488..7591		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13513	Strand	-
Start	12696	End	18806
Name	OJ990501_29.9819.C18.o4.gs	Method	GENSCAN
Start	12696	End	18806
GI	none	Score	.97
Exons	12696..14108, 14145..15777, 15874..18806		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13513	Strand	-
Start	12696	End	18806
Name	OJ990501_29.9819.C18.o3.np	Method	AAT/NAP
Start	12732	End	18806
GI	5922631	Score	6625
Exons	12732..15259, 15866..16789, 16916..17067, 17110..17674, 17720..17929, 18179..18423, 18682..18806		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955

Name	OJ990501_29.9819.C18.o12.tw	Method	TBLASTX:Wheat
Start	9545	End	9835
GI	none	Score	217
Exons	9545..9835		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o7.tw	Method	TBLASTX:Wheat
Start	12708	End	13322
GI	none	Score	80
Exons	12708..12845, 12831..12989, 13044..13322, 13060..13161, 13213..13302		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	12747	End	12980
GI	none	Score	100
Exons	12747..12848, 12748..12849, 12828..12980, 12829..12888		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o7.tm	Method	TBLASTX:Maize
Start	13092	End	13365
GI	none	Score	56
Exons	13092..13178, 13188..13271, 13201..13275, 13258..13365, 13266..13364		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	13437	End	13824
GI	none	Score	158
Exons	13437..13823, 13513..13824		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	13467	End	13830
GI	none	Score	67
Exons	13467..13514, 13468..13515, 13501..13809, 13506..13829, 13519..13830		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o13.tw	Method	TBLASTX:Wheat
Start	13827	End	14126
GI	none	Score	125
Exons	13827..13958, 13992..14126		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18

Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.tw	Method	TBLASTX:Wheat
Start	14142	End	14564
GI	none	Score	260
Exons	14142..14564, 14152..14556		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	14185	End	14573
GI	none	Score	117
Exons	14185..14433, 14187..14429, 14469..14573, 14470..14565		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o11.tw	Method	TBLASTX:Wheat
Start	14568	End	14850
GI	none	Score	65
Exons	14568..14849, 14580..14714, 14773..14850		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	14688	End	15132
GI	none	Score	90
Exons	14688..14714, 14712..14855, 14725..14856, 14877..15131, 14878..15132		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	14799	End	15200
GI	none	Score	47
Exons	14799..15200, 14833..15003, 14997..15167, 15025..15183		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	14854	End	15278
GI	none	Score	296
Exons	14854..15234, 14859..15278		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	15363	End	15719
GI	none	Score	214
Exons	15363..15719, 15373..15678		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18

Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o2.tw
 Start 15393
 GI none
 Exons 15393..15848, 15394..15849

Strand -
 End 26955
 Method TBLASTX:Wheat
 End 15849
 Score 267

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o4.ts
 Start 15444
 GI none
 Exons 15444..15578, 15585..15809

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method TBLASTX:Soybean
 End 15809
 Score 134

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o8.tw
 Start 16069
 GI none
 Exons 16069..16305, 16071..16301, 16350..16526

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method TBLASTX:Wheat
 End 16526
 Score 150

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o10.tw
 Start 17103
 GI none
 Exons 17103..17504, 17236..17505

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method TBLASTX:Wheat
 End 17505
 Score 117

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o5.gs
 Start 22218
 GI none
 Exons 22218..22301, 22527..22661, 22756..22845, 23404..23688, 23779..24411

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method GENSCAN
 End 24411
 Score .7

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o4.np
 Start 23374
 GI 4680203
 Exons 23374..24354, 24631..26429, 26916..26955
 GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method AAT/NAP
 End 26955
 Score 2787

Seq. No. 6405
 Gene No. 13514
 Start 22218
 Name OJ990501_29.9819.C18.o1.tw
 Start 23428
 GI none
 Exons 23428..23520, 23445..23519, 23509..23589, 23537..23590, 23594..23692, 23595..23711, 23596..23712, 23603..23743,

Seq. ID OJ990501_29.9819.C18
 Strand -
 End 26955
 Method TBLASTX:Wheat
 End 24750
 Score 55

23614..23742, 23672..23785, 23722..23781, 23788..23835,
 23789..23836, 23796..23852, 23827..24744, 23843..24745,
 24020..24745, 24256..24750

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	24010	End	24457
GI	none	Score	91
Exons	24010..24159, 24010..24453, 24014..24457, 24020..24457		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	24388	End	24702
GI	none	Score	67
Exons	24388..24618, 24388..24702, 24416..24691		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.gs	Method	GENSCAN
Start	24689	End	26192
GI	none	Score	.81
Exons	24689..25278, 25445..25478, 25617..25969, 26069..26192		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.ts	Method	TBLASTX:Soybean
Start	24932	End	25174
GI	none	Score	186
Exons	24932..25174		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	25004	End	25457
GI	none	Score	71
Exons	25004..25195, 25208..25330, 25209..25331, 25329..25448, 25359..25457		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.tw	Method	TBLASTX:Wheat
Start	25043	End	25497
GI	none	Score	111
Exons	25043..25267, 25101..25244, 25245..25328, 25247..25330, 25248..25331, 25329..25451, 25347..25451, 25351..25452, 25449..25496, 25453..25497		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-

Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	25347	End	25637
GI	none	Score	77
Exons	25347..25508, 25563..25637		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	25665	End	25955
GI	none	Score	89
Exons	25665..25745, 25740..25955, 25741..25947		
Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o9.tw	Method	TBLASTX:Wheat
Start	25735	End	26083
GI	none	Score	190
Exons	25735..25977, 25743..25988, 25744..25980, 25971..26072, 25982..26083		
Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13515	Strand	+
Start	3194	End	5840
Name	OJ990311_14.9819.C1.o2.gs	Method	GENSCAN
Start	3194	End	5840
GI	none	Score	.86
Exons	3194..4186, 4318..4556, 4610..5420, 5652..5840		
Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13516	Strand	+
Start	29519	End	37951
Name	OJ990311_14.9819.C1.o6.gs	Method	GENSCAN
Start	29519	End	37951
GI	none	Score	.53
Exons	29519..29658, 32236..32264, 34368..34456, 34850..34990, 35112..35169, 35450..35578, 37121..37224, 37483..37562, 37741..37951		
Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13517	Strand	-
Start	1097	End	2545
Name	OJ990311_14.9819.C1.o1.gs	Method	GENSCAN
Start	1097	End	2545
GI	none	Score	.99
Exons	1097..1318, 1544..2545		
Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13518	Strand	-
Start	8645	End	10255
Name	OJ990311_14.9819.C1.o3.gs	Method	GENSCAN
Start	8645	End	10255
GI	none	Score	.95
Exons	8645..10255		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13519	Strand	-
Start	14673	End	26830
Name	OJ990311_14.9819.C1.o1.np	Method	AAT/NAP
Start	14653	End	20233
GI	3132825	Score	6332
Exons	14653..14807, 14921..15139, 15238..15399, 15495..15773, 15869..16066, 16182..16329, 16417..16528, 16619..16814, 16899..17063, 17182..18664, 18785..20233		
GI Descrip.	(AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13519	Strand	-
Start	14673	End	26830
Name	OJ990311_14.9819.C1.o4.gs	Method	GENSCAN
Start	14673	End	26830
GI	none	Score	.88
Exons	14673..14807, 14921..15006, 15049..15169, 15238..15399, 15495..15773, 15869..16066, 16182..16329, 16417..16528, 16619..16814, 16899..17063, 17182..18664, 18785..20243, 23866..23979, 24861..24985, 26622..26830		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	14644	End	15124
GI	none	Score	159
Exons	14644..14808, 14682..14810, 14686..14808, 14903..15124, 14921..15115		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	14676	End	16329
GI	none	Score	132
Exons	14676..14810, 14688..14810, 14689..14811, 14900..15121, 14919..15140, 14921..15142, 14925..15140, 15188..15400, 15235..15405, 15238..15513, 15496..15774, 15507..15773, 15866..16069, 15867..16070, 15867..16070, 15868..16074, 15869..16072, 16181..16231, 16182..16328, 16182..16328, 16183..16329		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	14679	End	20103
GI	none	Score	132
Exons	14679..14810, 14695..14808, 14731..14811, 14732..14809, 14903..15106, 14905..15087, 14921..15211, 14922..15140, 15182..15406, 15235..15402, 15507..15773, 15508..15774, 15516..15776, 15652..15774, 15864..16070, 15866..16069, 15867..16070, 15868..16074, 16171..16329, 16178..16321, 16182..16331, 16182..16331, 16183..16335, 16416..16541, 16419..16529, 16420..16539, 16614..16823, 16618..16692,		

16896..17066, 16897..17061, 17179..17292, 17183..17308,
 17299..17379, 17303..17359, 17479..17916, 17480..17695,
 17562..17696, 17768..17866, 17769..17885, 17896..18057,
 17963..18019, 18163..18264, 18175..18267, 18229..18663,
 18264..18665, 18266..18649, 18782..18820, 18784..18819,
 18814..18891, 18827..18880, 18889..19074, 18902..19081,
 18929..19081, 18931..19083, 19104..19211, 19114..19203,
 19115..19204, 19139..19213, 19219..19302, 19345..19533,
 19400..19534, 19534..19956, 19550..19957, 19957..20082,
 20005..20103

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	14943	End	15261
GI	none	Score	205
Exons	14943..15137, 14945..15142, 14951..15142, 15235..15261		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	15292	End	15683
GI	none	Score	57
Exons	15292..15342, 15292..15375, 15337..15405, 15352..15405, 15507..15683, 15514..15681		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	15688	End	16508
GI	none	Score	89
Exons	15688..15777, 15693..15773, 15866..16069, 15876..16067, 16182..16331, 16182..16331, 16186..16335, 16411..16506, 16416..16508		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	16400	End	17030
GI	none	Score	164
Exons	16400..16528, 16416..16541, 16417..16530, 16608..16772, 16609..16773, 16758..16823, 16770..16820, 16896..17030, 16910..17029		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	16983	End	17370
GI	none	Score	73
Exons	16983..17066, 16984..17064, 17179..17259, 17179..17370, 17303..17356		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	17219	End	17661
GI	none	Score	386
Exons	17219..17488, 17220..17660, 17221..17661, 17221..17661		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	18035	End	18512
GI	none	Score	65
Exons	18035..18070, 18037..18072, 18083..18460, 18160..18510, 18168..18230, 18169..18510, 18171..18512, 18173..18511		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	18961	End	19095
GI	none	Score	136
Exons	18961..19095, 18968..19087		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o5.gs	Method	GENSCAN
Start	28399	End	28839
GI	none	Score	.96
Exons	28399..28839		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13521	Strand	+
Start	448	End	756
Name	OJ990311_14.9819.C2.o1.gs	Method	GENSCAN
Start	448	End	756
GI	none	Score	.94
Exons	448..756		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o2.gs	Method	GENSCAN
Start	2177	End	14057
GI	none	Score	.42
Exons	2177..2182, 3001..3136, 3545..3722, 4412..4486, 4564..4823, 4873..5058, 5156..5354, 6136..6596, 7032..7218, 10925..11158, 11246..11590, 11703..11756, 12654..12790, 13546..14057		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o1.gp	Method	AAT/GAP
Start	10819	End	11377
GI	none	Score	799

Exons 10819..11158, 11246..11377

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o1.np	Method	AAT/NAP
Start	10926	End	11775
GI	4887012	Score	295

Exons 10926..11089, 11246..11297, 11346..11590, 11703..11775
GI Descrip. (AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o2.gp	Method	AAT/GAP
Start	11321	End	12123
GI	69892_1.R1084	Score	1303

Exons 11321..11590, 11703..12123
GI Descrip. '4887012/gb|AAD32142.1|AF123504_1 1.0e-25 (AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]'

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13523	Strand	+
Start	17589	End	18352
Name	OJ990311_14.9819.C2.o4.gs	Method	GENSCAN
Start	17589	End	18352
GI	none	Score	.84

Exons 17589..18031, 18142..18352

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o6.gs	Method	GENSCAN
Start	33834	End	36707
GI	none	Score	.93

Exons 33834..34073, 34706..34852, 34960..35134, 35524..35600, 35921..35998, 36245..36322, 36419..36478, 36573..36707

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o5.gp	Method	AAT/GAP
Start	33914	End	35581
GI	uC-osflcyp065h05a1	Score	786

Exons 33914..34073, 34706..34845, 34951..35134, 35524..35581

GI Descrip. '3892048/gb|AAC78257.1|AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o3.np	Method	AAT/NAP
Start	33999	End	36707
GI	3892048	Score	787

Exons 33999..34073, 34706..34852, 34960..35134, 35524..35600, 35921..35998, 36245..36322, 36419..36478, 36573..36707

GI Descrip. (AC002330) putative tryptophan synthase alpha 1-like protein

[Arabidopsis thaliana]

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o6.gp	Method	AAT/GAP
Start	34704	End	35138
GI	uC-osflcyp065h05a1	Score	416
Exons	34704..34845, 34951..35138		
GI Descrip.	'3892048/gb AAC78257.1 AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13525	Strand	-
Start	14376	End	14939
Name	OJ990311_14.9819.C2.o3.gs	Method	GENSCAN
Start	14376	End	14939
GI	none	Score	.78
Exons	14376..14458, 14879..14939		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o5.gs	Method	GENSCAN
Start	19689	End	33239
GI	none	Score	.67
Exons	19689..19772, 21728..21880, 22675..22840, 22893..23035, 26058..26129, 26845..26919, 27029..27094, 27460..27525, 28204..28284, 28385..28483, 28569..28861, 30192..30353, 32524..32772, 33170..33239		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o2.np	Method	AAT/NAP
Start	25902	End	28781
GI	3892050	Score	518
Exons	25902..26129, 26839..26919, 27029..27094, 27460..27525, 28153..28233, 28385..28781		
GI Descrip.	(AC002330) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o3.gp	Method	AAT/GAP
Start	26055	End	26555
GI	none	Score	990
Exons	26055..26555		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o4.gp	Method	AAT/GAP
Start	28422	End	28911
GI	none	Score	762
Exons	28422..28483, 28569..28911		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13527	Strand	-
Start	36581	End	36996
Name	OJ990311_14.9819.C2.o7.gp	Method	AAT/GAP
Start	36581	End	36996
GI	2311472	Score	742
Exons	36581..36996		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	10977	End	12107
GI	none	Score	34
Exons	10977..11003, 11127..11159, 11243..11299, 11244..11297, 11370..11591, 11371..11589, 11376..11591, 11697..11750, 11704..11748, 11704..11790, 11902..11931, 11982..12107		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	11219	End	11757
GI	none	Score	91
Exons	11219..11296, 11235..11303, 11370..11468, 11374..11469, 11376..11492, 11508..11588, 11704..11757		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	11229	End	11784
GI	none	Score	81
Exons	11229..11303, 11247..11291, 11382..11483, 11382..11468, 11517..11591, 11541..11588, 11704..11754, 11704..11784		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	11397	End	11762
GI	none	Score	94
Exons	11397..11480, 11485..11589, 11487..11591, 11703..11762, 11704..11760		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	25857	End	26091
GI	none	Score	204
Exons	25857..26090, 25888..26088, 25917..26090, 25918..26091		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o3.ts	Method	TBLASTX:Soybean

Start	25897	End	27531
GI	none	Score	154
Exons	25897..26109, 25917..26126, 25918..26094, 25980..26102, 26857..26928, 26871..26921, 27026..27103, 27029..27097, 27460..27531		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	34011	End	36894
GI	none	Score	75
Exons	34011..34079, 34703..34852, 34705..34857, 34705..34851, 34716..34853, 34955..35089, 34956..35135, 34957..35139, 35516..35602, 35517..35603, 35524..35637, 35920..35988, 35921..36004, 35922..36005, 36224..36325, 36236..36325, 36418..36477, 36419..36481, 36571..36750, 36572..36748, 36809..36871, 36814..36894		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	34703	End	35139
GI	none	Score	230
Exons	34703..34852, 34708..34848, 34714..34854, 34725..34853, 34957..35139, 34957..35115, 34959..35135		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	34703	End	34854
GI	none	Score	234
Exons	34703..34852, 34708..34851, 34711..34854		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	34977	End	35998
GI	none	Score	225
Exons	34977..35135, 34978..35139, 35517..35603, 35927..35998		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	36221	End	36712
GI	none	Score	113
Exons	36221..36322, 36268..36318, 36421..36480, 36422..36481, 36566..36712, 36570..36647		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o7.gs	Method	GENSCAN

Start 38448
GI none
Exons 38448..38561

End 38561
Score .82

Seq. No. 6408
Gene No. 13529
Start 242
Name OJ990311_14.9819.C3.o1.gs
Start 242
GI none
Exons 242..406

Seq. ID OJ990311_14.9819.C3
Strand +
End 406
Method GENSCAN
End 406
Score .57

Seq. No. 6408
Gene No. 13530
Start 1026
Name OJ990311_14.9819.C3.o2.np
Start 1026
GI 3132825
Exons 1026..1046, 8014..8171, 8288..8400
GI Descrip. (AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]

Seq. ID OJ990311_14.9819.C3
Strand +
End 8400
Method AAT/NAP
End 8400
Score 153

Seq. No. 6408
Gene No. 13530
Start 1026
Name OJ990311_14.9819.C3.o1.np
Start 2535
GI 1783305
Exons 2535..2702, 2745..2957, 4251..4344, 4506..4713, 5330..5405, 5495..5620, 6161..6487
GI Descrip. (D78609) bZIP protein [Oryza sativa]

Seq. ID OJ990311_14.9819.C3
Strand +
End 8400
Method AAT/NAP
End 6487
Score 601

Seq. No. 6408
Gene No. 13530
Start 1026
Name OJ990311_14.9819.C3.o2.gs
Start 2535
GI none
Exons 2535..2957, 3897..3929, 4251..4344, 4506..4713, 5330..5405, 5495..5620, 6161..6544

Seq. ID OJ990311_14.9819.C3
Strand +
End 8400
Method GENSCAN
End 6544
Score .9

Seq. No. 6408
Gene No. 13530
Start 1026
Name OJ990311_14.9819.C3.o1.tm
Start 4489
GI none
Exons 4489..4617, 4502..4606, 4634..4678, 4635..4688, 5327..5407, 5329..5409, 5329..5406, 5492..5623, 5492..5623

Seq. ID OJ990311_14.9819.C3
Strand +
End 8400
Method TBLASTX:Maize
End 5623
Score 94

Seq. No. 6409
Gene No. 13531
Start 572
Name OJ990311_14.9819.C4.o1.gs
Start 572
GI none
Exons 572..754, 993..1234, 1375..1398, 1636..1777, 1908..1930, 2166..2270

Seq. ID OJ990311_14.9819.C4
Strand +
End 2566
Method GENSCAN
End 2270
Score .82

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13531	Strand	+
Start	572	End	2566
Name	OJ990311_14.9819.C4.o1.gp	Method	AAT/GAP
Start	1024	End	2566
GI	none	Score	1301
Exons	1024..1310, 2166..2566		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13532	Strand	+
Start	15889	End	19879
Name	OJ990311_14.9819.C4.o5.gs	Method	GENSCAN
Start	15889	End	19879
GI	none	Score	.7
Exons	15889..16007, 16112..16465, 16467..16591, 16721..16831, 19749..19879		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o2.gs	Method	GENSCAN
Start	2889	End	8368
GI	none	Score	.78
Exons	2889..3041, 3262..3399, 4001..4213, 4705..4962, 5059..5226, 5432..5497, 5723..5824, 6161..6221, 6407..6471, 6551..6608, 6701..6818, 8077..8165, 8265..8368		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o1.np	Method	AAT/NAP
Start	5122	End	8261
GI	6598487	Score	433
Exons	5122..5142, 6548..6608, 6701..6818, 6912..6950, 7036..7105, 7235..7345, 8223..8261		
GI Descrip.	(AC005770) putative guanylate binding protein [Arabidopsis thaliana]		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o2.gp	Method	AAT/GAP
Start	6485	End	6854
GI	42393_1.R1084	Score	276
Exons	6485..6509, 6552..6608, 6701..6854		
GI Descrip.	'4585903/gb AAD25565.1 AC007133 7 9.0e-21 (AC007133) putative guanylate binding protein [Arabidopsis thaliana]'		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o3.gp	Method	AAT/GAP
Start	7258	End	8706
GI	none	Score	985
Exons	7258..7337, 8265..8706		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13534	Strand	-
Start	10960	End	12947
Name	OJ990311_14.9819.C4.o3.gs	Method	GENSCAN
Start	10960	End	12947
GI	none	Score	.68
Exons	10960..11079, 11898..11959, 12335..12393, 12931..12947		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o4.gp	Method	AAT/GAP
Start	13913	End	14444
GI	none	Score	980
Exons	13913..14444		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o4.gs	Method	GENSCAN
Start	14141	End	15523
GI	none	Score	.84
Exons	14141..14422, 14437..14768, 14855..15047, 15125..15523		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o2.np	Method	AAT/NAP
Start	14401	End	15931
GI	4585901	Score	424
Exons	14401..14768, 14855..15079, 15202..15455, 15850..15931		
GI Descrip.	(AC007133) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o5.gp	Method	AAT/GAP
Start	14852	End	15156
GI	uC-osf1M202062a11b1	Score	386
Exons	14852..15047, 15125..15156		
GI Descrip.	'5852172/emb CAB55410.1 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	1181	End	1310
GI	none	Score	202
Exons	1181..1309, 1182..1310		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2960	End	6225
GI	none	Score	77

Exons 2960..3058, 2981..3058, 3127..3405, 3128..3406, 3342..3407,
3998..4213, 4002..4205, 4003..4206, 4702..4965, 4702..4962,
4704..4964, 5053..5229, 5060..5149, 5068..5229, 5432..5497,
5441..5500, 5570..5605, 5583..5615, 5714..5782, 5718..5780,
5721..5783, 6159..6221, 6162..6224, 6163..6225

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	3245	End	4099
GI	none	Score	118
Exons	3245..3400, 3247..3423, 3998..4099		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	4040	End	4939
GI	none	Score	157
Exons	4040..4213, 4041..4205, 4041..4220, 4700..4936, 4702..4935, 4702..4938, 4829..4939		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	4738	End	5100
GI	none	Score	42
Exons	4738..4962, 4758..4796, 4833..4964, 4838..4963, 4855..4965, 5053..5100, 5060..5098		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	4837	End	5498
GI	none	Score	137
Exons	4837..4962, 4838..4963, 4839..4964, 4840..4965, 5053..5118, 5083..5229, 5432..5497, 5436..5498		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	6407	End	6930
GI	none	Score	90
Exons	6407..6469, 6409..6471, 6545..6610, 6548..6610, 6549..6611, 6690..6722, 6691..6750, 6692..6751, 6696..6770, 6700..6783, 6701..6769, 6781..6822, 6907..6930		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	14489	End	15032
GI	none	Score	157

Exons 14489..14686, 14494..14709, 14497..14745, 14853..15032

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	14500	End	15050
GI	none	Score	88
Exons	14500..14574, 14501..14581, 14641..14745, 14850..14972, 14958..15050		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	14611	End	15050
GI	none	Score	77
Exons	14611..14739, 14615..14686, 14626..14709, 14734..14772, 14853..15050		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	14662	End	15054
GI	none	Score	68
Exons	14662..14709, 14662..14772, 14793..14867, 14850..15053, 14854..15054		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o6.gs	Method	GENSCAN
Start	20162	End	24021
GI	none	Score	.4
Exons	20162..20202, 20912..20999, 22191..22315, 22781..22918, 23781..24021		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o6.gp	Method	AAT/GAP
Start	22128	End	22415
GI	427610	Score	409
Exons	22128..22178, 22203..22415		
GI Descrip.	5852172/emb CAB55410.1 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o4.np	Method	AAT/NAP
Start	23769	End	24029
GI	6907106	Score	264
Exons	23769..24029		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6410	Seq. ID	OJ990311_14.9819.C6
Gene No.	13537	Strand	+
Start	1	End	736
Name	OJ990311_14.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	736
GI	2498930	Score	44
Exons	1..53, 517..580, 713..736		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6410	Seq. ID	OJ990311_14.9819.C6
Gene No.	13537	Strand	+
Start	1	End	736
Name	OJ990311_14.9819.C6.o1.gs	Method	GENSCAN
Start	521	End	580
GI	none	Score	.94
Exons	521..580		

Seq. No.	6411	Seq. ID	OJ990311_14.9819.C7
Gene No.	13538	Strand	+
Start	1	End	715
Name	OJ990311_14.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	715
GI	2498930	Score	1142
Exons	1..715		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6411	Seq. ID	OJ990311_14.9819.C7
Gene No.	13538	Strand	+
Start	1	End	715
Name	OJ990311_14.9819.C7.o1.gs	Method	GENSCAN
Start	19	End	660
GI	none	Score	.64
Exons	19..660		

Seq. No.	6412	Seq. ID	OJ990311_14.9819.C8
Gene No.	13539	Strand	+
Start	1	End	731
Name	OJ990311_14.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	731
GI	4505631	Score	1187
Exons	1..731		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi 387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6412	Seq. ID	OJ990311_14.9819.C8
Gene No.	13539	Strand	+
Start	1	End	731
Name	OJ990311_14.9819.C8.o1.gs	Method	GENSCAN
Start	58	End	709
GI	none	Score	.59
Exons	58..709		

Seq. No.	6413	Seq. ID	OJ990311_14.9819.C9
Gene No.	13540	Strand	+

Start 261
 Name OJ990311_14.9819.C9.o1.gs
 Start 261
 GI none
 Exons 261..329, 349..433, 493..662

End 662
 Method GENSCAN
 End 662
 Score .74

Seq. No. 6414
 Gene No. 13541
 Start 472
 Name OJ990311_14.9819.C10.o1.gs
 Start 472
 GI none
 Exons 472..608

Seq. ID OJ990311_14.9819.C10
 Strand -
 End 608
 Method GENSCAN
 End 608
 Score .63

Seq. No. 6415
 Gene No. 13542
 Start 315
 Name OJ990311_14.9819.C11.o1.gs
 Start 315
 GI none
 Exons 315..440

Seq. ID OJ990311_14.9819.C11
 Strand -
 End 440
 Method GENSCAN
 End 440
 Score .93

Seq. No. 6416
 Gene No. 13543
 Start 250
 Name OJ990311_14.9819.C12.o1.gs
 Start 250
 GI none
 Exons 250..296

Seq. ID OJ990311_14.9819.C12
 Strand +
 End 296
 Method GENSCAN
 End 296
 Score .93

Seq. No. 6417
 Gene No. 13544
 Start 342
 Name OJ990311_15.9819.C1.o1.gs
 Start 342
 GI none
 Exons 342..380, 664..771

Seq. ID OJ990311_15.9819.C1
 Strand +
 End 771
 Method GENSCAN
 End 771
 Score .83

Seq. No. 6418
 Gene No. 13545
 Start 1076
 Name OJ990311_15.9819.C2.o1.gp
 Start 1076
 GI 48882_1.R1084
 Exons 1076..1549

Seq. ID OJ990311_15.9819.C2
 Strand +
 End 1549
 Method AAT/GAP
 End 1549
 Score 907

GI Descrip. '5091597/gb|AC007858.1|10A19I 7.0e-31 Oryza sativa chromosome 1
 BAC 10A19I, complete sequence'

Seq. No. 6418
 Gene No. 13546
 Start 223
 Name OJ990311_15.9819.C2.o1.gs
 Start 223
 GI none
 Exons 223..445, 1201..1348, 1453..1539

Seq. ID OJ990311_15.9819.C2
 Strand -
 End 1539
 Method GENSCAN
 End 1539
 Score .54

Seq. No. 6418

Seq. ID OJ990311_15.9819.C2

Gene No. 13547
 Start 1646
 Name OJ990311_15.9819.C2.o2.gs
 Start 1646
 GI none
 Exons 1646..1719, 2065..2119

Strand -
 End 2119
 Method GENSCAN
 End 2119
 Score .49

Seq. No. 6419
 Gene No. 13548
 Start 1
 Name OJ990311_15.9819.C5.o1.np
 Start 1
 GI 4505631
 Exons 1..1014, 1237..1262

Seq. ID OJ990311_15.9819.C5
 Strand +
 End 1262
 Method AAT/NAP
 End 1262
 Score 1377

GI Descrip. protocadherin 1 (cadherin-like 1) gi|387675 (L11370)
 protocadherin 42 [Homo sapiens]

Seq. No. 6419
 Gene No. 13548
 Start 1
 Name OJ990311_15.9819.C5.o1.gs
 Start 50
 GI none
 Exons 50..803

Seq. ID OJ990311_15.9819.C5
 Strand +
 End 1262
 Method GENSCAN
 End 803
 Score .55

Seq. No. 6420
 Gene No. 13549
 Start 14357
 Name OJ990311_15.9819.C6.o3.gs
 Start 14357
 GI none
 Exons 14357..14551, 15473..15682, 16401..16463, 16545..16618, 17417..17471, 17579..17683, 17766..17847, 18162..18274, 18429..18830

Seq. ID OJ990311_15.9819.C6
 Strand +
 End 19008
 Method GENSCAN
 End 18830
 Score .95

Seq. No. 6420
 Gene No. 13549
 Start 14357
 Name OJ990311_15.9819.C6.o3.np
 Start 14369
 GI 3395938
 Exons 14369..14551, 15473..15682, 16401..16463, 16545..16618, 16716..16811, 17417..17471, 17576..17683, 17766..17847, 18162..18274, 18429..18572, 18886..19008

Seq. ID OJ990311_15.9819.C6
 Strand +
 End 19008
 Method AAT/NAP
 End 19008
 Score 1174

GI Descrip. (AF076924) polypyrimidine tract-binding protein homolog
 [Arabidopsis thaliana]

Seq. No. 6420
 Gene No. 13549
 Start 14357
 Name OJ990311_15.9819.C6.o9.gp
 Start 17813
 GI 77048_1.R1084
 Exons 17813..17847, 18162..18274, 18429..18998

Seq. ID OJ990311_15.9819.C6
 Strand +
 End 19008
 Method AAT/GAP
 End 18998
 Score 1252

GI Descrip. '3395938 6.0e-26 (AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]'

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13550	Strand	+
Start	24755	End	25072
Name	OJ990311_15.9819.C6.o4.np	Method	AAT/NAP
Start	24755	End	25072
GI	1223972	Score	566
Exons	24755..25072		
GI Descrip.	(U40814) unknown [Oryza sativa]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13551	Strand	+
Start	26480	End	26844
Name	OJ990311_15.9819.C6.o5.np	Method	AAT/NAP
Start	26480	End	26844
GI	6539585	Score	151
Exons	26480..26658, 26790..26844		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o1.gp	Method	AAT/GAP
Start	2194	End	2633
GI	43801_1.R1084	Score	597
Exons	2194..2435, 2540..2633		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o2.gs	Method	GENSCAN
Start	2370	End	11226
GI	none	Score	.67
Exons	2370..2435, 2540..2821, 3156..3257, 3682..3995, 7974..8069, 8495..8643, 9076..9134, 9216..9352, 9401..9482, 9569..9826, 9919..10341, 10654..11226		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o1.np	Method	AAT/NAP
Start	2373	End	4097
GI	4056477	Score	597
Exons	2373..2435, 2540..2821, 3156..3257, 3750..4097		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o2.gp	Method	AAT/GAP
Start	3857	End	4133
GI	none	Score	499
Exons	3857..4133		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-

Start 2370
 Name OJ990311_15.9819.C6.o4.gp
 Start 7578
 GI none
 Exons 7578..8053

End 12069
 Method AAT/GAP
 End 8053
 Score 919

Seq. No. 6420
 Gene No. 13552
 Start 2370
 Name OJ990311_15.9819.C6.o5.gp
 Start 8375
 GI none
 Exons 8375..8643, 8811..8862

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 12069
 Method AAT/GAP
 End 8862
 Score 582

Seq. No. 6420
 Gene No. 13552
 Start 2370
 Name OJ990311_15.9819.C6.o6.gp
 Start 8711
 GI uC-osflm202104e10b1
 Exons 8711..8883, 9076..9134, 9216..9302
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 12069
 Method AAT/GAP
 End 9302
 Score 539

Seq. No. 6420
 Gene No. 13552
 Start 2370
 Name OJ990311_15.9819.C6.o7.gp
 Start 8792
 GI uC-osflm202104e10b1
 Exons 8792..8883, 9076..9134, 9216..9332
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 12069
 Method AAT/GAP
 End 9332
 Score 465

Seq. No. 6420
 Gene No. 13552
 Start 2370
 Name OJ990311_15.9819.C6.o2.np
 Start 9267
 GI 5080792
 Exons 9267..9482, 9569..9826, 9919..10122, 10186..10341, 10654..11223
 GI Descrip. (AC007576) Unknown protein [Arabidopsis thaliana]

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 12069
 Method AAT/NAP
 End 11223
 Score 930

Seq. No. 6420
 Gene No. 13552
 Start 2370
 Name OJ990311_15.9819.C6.o8.gp
 Start 10798
 GI 44258_1.R1084
 Exons 10798..11229, 11943..12069
 GI Descrip. '5080792/gb|AAD39302.1|AC007576_25 5.0e-23 (AC007576) Unknown protein [Arabidopsis thaliana]'

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 12069
 Method AAT/GAP
 End 12069
 Score 998

Seq. No. 6420
 Gene No. 13553
 Start 26573
 Name OJ990311_15.9819.C6.o2.tm

Seq. ID OJ990311_15.9819.C6
 Strand -
 End 27163
 Method TBLASTX:Maize

Start	2352	End	3260
GI	none	Score	91
Exons	2352..2435, 2362..2430, 2364..2435, 2365..2448, 2536..2625, 2540..2749, 2540..2785, 2561..2617, 2677..2766, 2744..2833, 2760..2819, 3153..3227, 3159..3260, 3160..3255, 3163..3231, 3165..3233		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	2370	End	3843
GI	none	Score	65
Exons	2370..2435, 2383..2481, 2538..2744, 2540..2743, 2543..2719, 2543..2731, 2562..2732, 2759..2815, 2760..2819, 3154..3258, 3156..3266, 3159..3260, 3745..3843, 3747..3842		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	2382	End	3843
GI	none	Score	63
Exons	2382..2435, 2543..2659, 2543..2731, 2558..2659, 2562..2732, 2654..2818, 2657..2734, 2657..2749, 2778..2819, 3154..3258, 3156..3260, 3156..3266, 3159..3260, 3745..3843, 3747..3842		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	2391	End	3260
GI	none	Score	60
Exons	2391..2438, 2543..2731, 2544..2723, 3159..3260, 3160..3255		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	8343	End	11092
GI	none	Score	89
Exons	8343..8483, 8349..8450, 8356..8451, 8464..8532, 8497..8523, 8504..8533, 8527..8556, 8528..8557, 8531..8560, 8555..8617, 8556..8615, 8564..8632, 8565..8645, 8566..8637, 8637..8672, 8660..8701, 8672..8701, 8673..8708, 8808..8882, 8809..8898, 8824..8883, 9071..9139, 9074..9136, 9212..9304, 9214..9294, 9297..9485, 9298..9483, 9298..9486, 9566..9829, 9600..9842, 9602..9748, 9618..9827, 9919..9966, 9920..9967, 9946..10341, 9947..9994, 9970..10344, 10059..10358, 10636..10689, 10642..10812, 10961..11092		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	9300	End	11187
GI	none	Score	126

Exons 9300..9485, 9301..9495, 9565..9828, 9566..9829, 9566..9727, 9618..9827, 9623..9748, 9623..9721, 9910..10209, 9946..10191, 9951..10211, 10058..10195, 10138..10341, 10247..10345, 10645..10737, 10645..10839, 10646..10738, 10654..10803, 10783..10842, 10831..11115, 10880..11116, 11134..11187

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	9566	End	10785
GI	none	Score	81
Exons	9566..9823, 9584..9715, 9621..9725, 9759..9809, 10639..10785		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	9623	End	10221
GI	none	Score	144
Exons	9623..9745, 9711..9827, 9712..9828, 9713..9829, 9746..9829, 9913..10221, 9919..10221		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	10900	End	11223
GI	none	Score	170
Exons	10900..11151, 10901..11116, 11134..11184, 11188..11223		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	11092	End	11215
GI	none	Score	47
Exons	11092..11214, 11093..11128, 11096..11215, 11097..11204, 11183..11215		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	14360	End	18275
GI	none	Score	251
Exons	14360..14476, 14390..14551, 14392..14550, 15475..15702, 15476..15706, 16350..16463, 16389..16478, 16400..16459, 16542..16646, 16542..16619, 16713..16811, 16714..16812, 16744..16812, 17414..17461, 17415..17462, 17564..17686, 17575..17685, 17765..17842, 17765..17851, 17766..17843, 17766..17843, 18143..18274, 18145..18270, 18161..18274, 18189..18275, 18221..18274		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163

Name	OJ990311_15.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	14390	End	17864
GI	none	Score	256
Exons	14390..14551, 14390..14476, 15475..15702, 15476..15706, 15533..15712, 16389..16478, 16400..16462, 16542..16619, 16714..16797, 17766..17864		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	14390	End	15568
GI	none	Score	241
Exons	14390..14551, 14390..14476, 14392..14550, 15475..15567, 15476..15568		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	14390	End	15682
GI	none	Score	271
Exons	14390..14551, 14390..14476, 14392..14550, 15476..15682, 15487..15675		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	15997	End	18274
GI	none	Score	77
Exons	15997..16068, 16002..16067, 16058..16096, 16067..16096, 16326..16463, 16400..16465, 16400..16462, 16539..16628, 16541..16621, 16716..16811, 16717..16812, 16719..16811, 17415..17462, 17576..17599, 17763..17843, 18143..18211, 18227..18274		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	18143	End	18275
GI	none	Score	194
Exons	18143..18274, 18151..18273, 18201..18275		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	18390	End	18720
GI	none	Score	142
Exons	18390..18524, 18410..18577, 18428..18526, 18581..18625, 18600..18647, 18633..18686, 18636..18707, 18637..18720, 18682..18708		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-

Start	26573	End	27163
Name	OJ990311_15.9819.C6.o5.gs	Method	GENSCAN
Start	26573	End	27163
GI	none	Score	.52
Exons	26573..26658, 26926..27049, 27055..27163		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o2.np	Method	AAT/NAP
Start	1	End	2990
GI	4505631	Score	146
Exons	1..23, 2740..2990		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi 387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.gs	Method	GENSCAN
Start	435	End	1746
GI	none	Score	.89
Exons	435..437, 699..862, 1434..1746		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.gp	Method	AAT/GAP
Start	990	End	1464
GI	LIB3432-059-P1-K1-D8	Score	770
Exons	990..1464		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.np	Method	AAT/NAP
Start	2296	End	2990
GI	4138916	Score	218
Exons	2296..2419, 2510..2628, 2964..2990		
GI Descrip.	(AF059489) expansin precursor [Lycopersicon esculentum]		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13555	Strand	-
Start	2023	End	2754
Name	OJ990311_15.9819.C7.o2.gs	Method	GENSCAN
Start	2023	End	2754
GI	none	Score	.58
Exons	2023..2093, 2261..2387, 2539..2754		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13556	Strand	+
Start	1	End	862
Name	OJ990311_15.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	862
GI	3461833	Score	566

Exons 1..180, 550..862
 GI Descrip. (AC004138) putative expansin [Arabidopsis thaliana]

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13557	Strand	+
Start	2276	End	7240
Name	OJ990311_15.9819.C8.o2.gs	Method	GENSCAN
Start	2276	End	6600
GI	none	Score	.82
Exons	2276..2373, 2823..2969, 3483..3585, 3626..3772, 4628..4932, 5304..5418, 5964..6092, 6179..6346, 6496..6600		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13557	Strand	+
Start	2276	End	7240
Name	OJ990311_15.9819.C8.o1.gp	Method	AAT/GAP
Start	6272	End	7240
GI	3763712	Score	477
Exons	6272..6346, 7022..7240		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13558	Strand	+
Start	9312	End	11467
Name	OJ990311_15.9819.C8.o2.gp	Method	AAT/GAP
Start	9301	End	10940
GI	none	Score	745
Exons	9301..9397, 10234..10306, 10393..10421, 10527..10650, 10843..10940		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13558	Strand	+
Start	9312	End	11467
Name	OJ990311_15.9819.C8.o3.gs	Method	GENSCAN
Start	9312	End	11467
GI	none	Score	.89
Exons	9312..9397, 10234..10306, 10393..10421, 10527..10650, 11184..11284, 11365..11467		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13559	Strand	+
Start	20463	End	29114
Name	OJ990311_15.9819.C8.o6.gs	Method	GENSCAN
Start	20463	End	28805
GI	none	Score	.8
Exons	20463..20564, 20629..20704, 20747..20786, 21064..21178, 21281..21484, 21716..21844, 21924..22091, 22780..22910, 23592..23682, 24438..24538, 25224..25313, 27102..27225, 27754..27864, 28480..28580, 28673..28805		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13559	Strand	+
Start	20463	End	29114
Name	OJ990311_15.9819.C8.o4.gp	Method	AAT/GAP
Start	28662	End	29114
GI	5667517	Score	732
Exons	28662..29114		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13560	Strand	+
Start	31483	End	32161
Name	OJ990311_15.9819.C8.o6.gp	Method	AAT/GAP
Start	31483	End	32161
GI	LIB3432-040-P1-K1-G9	Score	804
Exons	31483..31599, 31750..31960, 32038..32161		
GI Descrip.	'5441877/dbj BAA82375.1 3.0e-18 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o4.gs	Method	GENSCAN
Start	11953	End	14080
GI	none	Score	.4
Exons	11953..12009, 12147..12292, 12586..13305, 13396..14080		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o2.np	Method	AAT/NAP
Start	12018	End	18450
GI	6466937	Score	2440
Exons	12018..12121, 12561..16738, 16805..16969, 18375..18450		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o3.np	Method	AAT/NAP
Start	12595	End	17161
GI	3810596	Score	1096
Exons	12595..13522, 14864..15112, 15182..16026, 16117..16500, 16585..16768, 16875..17161		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o5.gs	Method	GENSCAN
Start	14249	End	17801
GI	none	Score	.62
Exons	14249..15579, 15817..16044, 16057..16582, 16643..16692, 16780..16923, 16925..17240, 17655..17801		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13562	Strand	-
Start	25541	End	25596
Name	OJ990311_15.9819.C8.o3.gp	Method	AAT/GAP
Start	25541	End	25596
GI	15361_2.R1084	Score	80
Exons	25541..25596		
GI Descrip.	'4510346/gb AAD21435.1 5.0e-12 (AC006921) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13563	Strand	-
Start	30067	End	30681
Name	OJ990311_15.9819.C8.o7.gs	Method	GENSCAN
Start	30067	End	30681
GI	none	Score	.59
Exons	30067..30681		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13563	Strand	-
Start	30067	End	30681
Name	OJ990311_15.9819.C8.o4.np	Method	AAT/NAP
Start	30123	End	30537
GI	5080796	Score	129
Exons	30123..30161, 30232..30537		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13564	Strand	-
Start	31234	End	31467
Name	OJ990311_15.9819.C8.o5.gp	Method	AAT/GAP
Start	31234	End	31467
GI	none	Score	408
Exons	31234..31467		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	76	End	859
GI	none	Score	123
Exons	76..168, 77..175, 547..612, 548..628, 683..859, 691..858		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	76	End	859
GI	none	Score	141
Exons	76..168, 77..175, 547..612, 548..628, 683..859, 691..858		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	116	End	865
GI	none	Score	72
Exons	116..175, 547..612, 548..628, 680..865, 691..864		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.ts	Method	TBLASTX:Soybean
Start	5335	End	21478
GI	none	Score	91

Exons 5335..5424, 5337..5444, 5534..5728, 5555..5674, 21076..21174, 21083..21178, 21284..21478

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o7.ts Method TBLASTX:Soybean
Start 6254 End 23648
GI none Score 75
Exons 6254..6337, 7036..7182, 7037..7180, 21999..22097, 23503..23646, 23508..23648

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o9.tm Method TBLASTX:Maize
Start 10232 End 28799
GI none Score 109
Exons 10232..10360, 10519..10644, 10533..10640, 10534..10644, 10837..10953, 10844..10954, 10857..10955, 11183..11284, 11184..11279, 11185..11280, 11366..11458, 11369..11461, 26804..26893, 27076..27216, 27108..27215, 27755..27865, 27756..27866, 27758..27877, 28479..28580, 28480..28575, 28671..28799, 28671..28775

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o5.tm Method TBLASTX:Maize
Start 12575 End 13118
GI none Score 90
Exons 12575..12760, 12576..12725, 12794..13072, 12828..13118

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o7.tw Method TBLASTX:Wheat
Start 12611 End 12787
GI none Score 94
Exons 12611..12733, 12611..12787

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o4.tw Method TBLASTX:Wheat
Start 12794 End 13112
GI none Score 131
Exons 12794..13072, 12825..13112, 12843..13106

Seq. No. 6422 Seq. ID OJ990311_15.9819.C8
Gene No. 13565 Strand -
Start 31439 End 40917
Name OJ990311_15.9819.C8.o2.tm Method TBLASTX:Maize
Start 13202 End 13834
GI none Score 160
Exons 13202..13468, 13221..13466, 13466..13834, 13476..13748

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	13202	End	13579
GI	none	Score	62
Exons	13202..13465, 13332..13466, 13463..13579		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	13430	End	13813
GI	none	Score	179
Exons	13430..13465, 13463..13813, 13467..13784		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	13667	End	14059
GI	none	Score	350
Exons	13667..14059		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	13835	End	14239
GI	none	Score	135
Exons	13835..14074, 14081..14239		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	14255	End	14779
GI	none	Score	103
Exons	14255..14545, 14271..14465, 14520..14705, 14528..14779, 14637..14765		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	14405	End	14803
GI	none	Score	240
Exons	14405..14542, 14528..14803		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	14528	End	14869
GI	none	Score	308
Exons	14528..14869		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	14798	End	15277
GI	none	Score	227
Exons	14798..15277, 14805..15269, 14852..15271		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	14852	End	15334
GI	none	Score	193
Exons	14852..15334, 14892..15230, 14894..15334		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	14984	End	15298
GI	none	Score	77
Exons	14984..15298, 14985..15272		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o11.tm	Method	TBLASTX:Maize
Start	30173	End	30504
GI	none	Score	131
Exons	30173..30373, 30223..30372, 30466..30504		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o8.gs	Method	GENSCAN
Start	31439	End	40917
GI	none	Score	.76
Exons	31439..31610, 31718..31915, 32019..32218, 32299..32412, 32488..32674, 33086..33327, 34428..34526, 34607..34834, 34874..34938, 35033..35174, 38320..38473, 39712..39882, 40050..40079, 40167..40251, 40621..40684, 40776..40917		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.np	Method	AAT/NAP
Start	31448	End	34810
GI	6730659	Score	1082
Exons	31448..31609, 31718..31915, 32019..32218, 32299..32412, 32488..32624, 32707..32817, 33075..33327, 34428..34526, 34607..34810		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917

Name	OJ990311_15.9819.C8.ol.ts	Method	TBLASTX:Soybean
Start	31460	End	34651
GI	none	Score	70
Exons	31460..31543, 31526..31612, 31765..31917, 31787..31891, 32012..32239, 32021..32221, 32308..32415, 32324..32407, 32470..32670, 32471..32632, 32658..32819, 32705..32818, 33076..33165, 33076..33165, 33145..33312, 33164..33322, 34428..34526, 34429..34527, 34604..34651		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.ol.tm	Method	TBLASTX:Maize
Start	31461	End	32576
GI	none	Score	136
Exons	31461..31613, 31466..31618, 31466..31612, 31467..31613, 31708..31770, 31710..31772, 31770..31916, 31771..31923, 31772..31915, 32012..32233, 32022..32213, 32283..32408, 32288..32413, 32293..32409, 32297..32413, 32299..32415, 32470..32571, 32471..32572, 32510..32572, 32511..32576		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.ol.tc	Method	TBLASTX:Cress
Start	31777	End	34651
GI	none	Score	112
Exons	31777..31893, 32015..32239, 32296..32424, 32471..32626, 32485..32613, 32705..32818, 32706..32819, 33076..33243, 33076..33312, 33083..33334, 34440..34526, 34604..34651		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.ol.tw	Method	TBLASTX:Wheat
Start	31779	End	32374
GI	none	Score	139
Exons	31779..31916, 31780..31923, 31781..31915, 32012..32233, 32021..32230, 32288..32374, 32299..32373		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	32578	End	33264
GI	none	Score	66
Exons	32578..32613, 32579..32626, 32658..32819, 32705..32818, 33076..33264, 33086..33256		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o10.tm	Method	TBLASTX:Maize
Start	34431	End	34882
GI	none	Score	63
Exons	34431..34526, 34441..34518, 34604..34651, 34620..34649, 34709..34882		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.gs	Method	GENSCAN
Start	77	End	1302
GI	none	Score	.86
Exons	77..135, 678..813, 1102..1302		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.np	Method	AAT/NAP
Start	551	End	5329
GI	3461821	Score	725
Exons	551..595, 2041..2386, 2908..3020, 3288..3395, 3962..4257, 4781..4977, 5077..5329		

GI Descrip. (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o2.gs	Method	GENSCAN
Start	1858	End	16488
GI	none	Score	.63
Exons	1858..2376, 2446..2529, 3288..3395, 3496..3538, 4019..4201, 4601..4698, 4781..4884, 5077..5307, 5619..5739, 6051..6128, 6523..6599, 8405..8537, 9213..9418, 10045..10164, 10226..10313, 10391..10424, 10872..11002, 11219..11292, 11433..11511, 11965..12038, 12881..12968, 13218..13344, 13428..13532, 14010..14133, 14215..14266, 15475..15519, 16090..16188, 16336..16488		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.gp	Method	AAT/GAP
Start	2208	End	4661
GI	49573_1.R1084	Score	1228
Exons	2208..2386, 2908..3020, 3288..3395, 3496..3538, 4019..4201, 4601..4661		
GI Descrip.	'3461821 2.0e-49 (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]'		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o2.np	Method	AAT/NAP
Start	6386	End	6468
GI	6630699	Score	95
Exons	6386..6468		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
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Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o3.np	Method	AAT/NAP
Start	6596	End	7026
GI	6539570	Score	218
Exons	6596..6798, 6945..7026		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o4.np	Method	AAT/NAP
Start	11479	End	16188
GI	2894600	Score	485
Exons	11479..11511, 11618..11707, 11965..12038, 12881..12968, 13218..13344, 13428..13538, 14167..14266, 16090..16188		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o3.gp	Method	AAT/GAP
Start	11963	End	14082
GI	2443118	Score	850
Exons	11963..12038, 12881..12968, 13218..13344, 13428..13532, 14010..14082		
GI Descrip.	2894600/emb CAA17134.1 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o5.np	Method	AAT/NAP
Start	14103	End	16482
GI	6138901	Score	75
Exons	14103..14136, 16336..16482		
GI Descrip.	(AL132675) hypothetical integral membrane protein [Schizosaccharomyces pombe]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o4.gp	Method	AAT/GAP
Start	16320	End	16763
GI	none	Score	835
Exons	16320..16763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13567	Strand	+
Start	16962	End	18818
Name	OJ990311_15.9819.C9.o6.np	Method	AAT/NAP
Start	16962	End	18818
GI	231574	Score	172
Exons	16962..16996, 18279..18459, 18490..18818		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi 81837 pir S22523 asparaginase (EC 3.5.1.1) - tree lupine (fragment) gi 19137 emb CAA36824 (X52588) asparaginase [Lupinus		

arboreus]

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13568	Strand	-
Start	6385	End	6811
Name	OJ990311_15.9819.C9.o2.gp	Method	AAT/GAP
Start	6385	End	6811
GI	LIB3479-006-Q6-K1-B11	Score	609
Exons	6385..6811		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13569	Strand	-
Start	17741	End	20814
Name	OJ990311_15.9819.C9.o3.gs	Method	GENSCAN
Start	17741	End	20814
GI	none	Score	.88
Exons	17741..18180, 18203..18354, 18360..18552, 18596..18775, 20691..20814		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1929	End	2238
GI	none	Score	284
Exons	1929..1970, 2040..2237, 2041..2238		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	2244	End	3546
GI	none	Score	135
Exons	2244..2396, 2246..2377, 2248..2391, 2904..3020, 2907..3023, 2951..3028, 3283..3390, 3284..3394, 3285..3395, 3285..3395, 3295..3414, 3476..3538, 3489..3539, 3493..3546, 3495..3545		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	3294	End	5326
GI	none	Score	101
Exons	3294..3392, 4093..4197, 4599..4715, 4600..4746, 4744..4977, 4778..4978, 5075..5137, 5092..5136, 5257..5322, 5258..5326		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	4020	End	5211
GI	none	Score	83
Exons	4020..4073, 4024..4071, 4098..4199, 4101..4196, 4599..4703, 4600..4698, 4771..4890, 4771..4986, 4778..4987, 5057..5137, 5072..5203, 5074..5211, 5074..5208		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	4599	End	5179
GI	none	Score	132
Exons	4599..4682, 4600..4698, 4744..4986, 4778..4987, 5075..5179		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	5212	End	5431
GI	none	Score	194
Exons	5212..5364, 5215..5427, 5217..5366, 5345..5383, 5392..5421, 5402..5431		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	14003	End	16543
GI	none	Score	186
Exons	14003..14134, 14008..14064, 14013..14135, 14213..14266, 14216..14275, 15459..15527, 15473..15520, 16087..16188, 16089..16187, 16106..16192, 16330..16491, 16332..16499, 16335..16490, 16336..16491, 16406..16543		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	18278	End	18764
GI	none	Score	128
Exons	18278..18367, 18279..18368, 18480..18581, 18480..18581, 18481..18582, 18481..18585, 18579..18635, 18580..18633, 18580..18636, 18648..18764, 18653..18763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	18585	End	18764
GI	none	Score	62
Exons	18585..18635, 18586..18633, 18648..18764, 18648..18749, 18650..18763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o4.gs	Method	GENSCAN
Start	23878	End	24442
GI	none	Score	.71
Exons	23878..23991, 24371..24442		

Seq. No.	6424	Seq. ID	OJ990311_16.9819.C1
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Gene No. 13571
 Start 20
 Name OJ990311_16.9819.C1.o1.gs
 Start 20
 GI none
 Exons 20..166

Strand -
 End 166
 Method GENSCAN
 End 166
 Score .41

Seq. No. 6425
 Gene No. 13572
 Start 1
 Name OJ990311_16.9819.C5.o1.np
 Start 1
 GI 5091513
 Exons 1..751
 GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. ID OJ990311_16.9819.C5
 Strand -
 End 751
 Method AAT/NAP
 End 751
 Score 1068

Seq. No. 6425
 Gene No. 13572
 Start 1
 Name OJ990311_16.9819.C5.o1.gs
 Start 17
 GI none
 Exons 17..542

Seq. ID OJ990311_16.9819.C5
 Strand -
 End 751
 Method GENSCAN
 End 542
 Score 1

Seq. No. 6426
 Gene No. 13573
 Start 372
 Name OJ990311_16.9819.C6.o1.gs
 Start 372
 GI none
 Exons 372..413, 479..571

Seq. ID OJ990311_16.9819.C6
 Strand +
 End 571
 Method GENSCAN
 End 571
 Score .67

Seq. No. 6427
 Gene No. 13574
 Start 131
 Name OJ990311_16.9819.C8.o1.gs
 Start 131
 GI none
 Exons 131..136, 406..468

Seq. ID OJ990311_16.9819.C8
 Strand +
 End 468
 Method GENSCAN
 End 468
 Score .78

Seq. No. 6428
 Gene No. 13575
 Start 1
 Name OJ990311_16.9819.C10.o1.np
 Start 1
 GI 5123708
 Exons 1..23, 289..463, 738..766
 GI Descrip. (AL079347) RNA helicase (RH16) [Arabidopsis thaliana]

Seq. ID OJ990311_16.9819.C10
 Strand -
 End 766
 Method AAT/NAP
 End 766
 Score 108

Seq. No. 6428
 Gene No. 13575
 Start 1
 Name OJ990311_16.9819.C10.o1.tm
 Start 296
 GI none
 Exons 296..463, 297..464, 297..464, 298..465

Seq. ID OJ990311_16.9819.C10
 Strand -
 End 766
 Method TBLASTX:Maize
 End 465
 Score 232

Seq. No.	6429	Seq. ID	OJ990311_16.9819.C13
Gene No.	13576	Strand	-
Start	228	End	291
Name	OJ990311_16.9819.C13.o1.gs	Method	GENSCAN
Start	228	End	291
GI	none	Score	.88
Exons	228..291		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	749
GI	3445201	Score	326
Exons	1..24, 250..461, 614..749		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.gs	Method	GENSCAN
Start	219	End	657
GI	none	Score	.7
Exons	219..461, 608..657		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	286	End	430
GI	none	Score	100
Exons	286..429, 289..429, 293..430		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	289	End	746
GI	none	Score	132
Exons	289..459, 293..460, 651..746		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	297	End	590
GI	none	Score	305
Exons	297..464, 298..465, 299..466, 540..590		

Seq. No.	6431	Seq. ID	OJ990311_16.9819.C15
Gene No.	13578	Strand	-
Start	215	End	597
Name	OJ990311_16.9819.C15.o1.gs	Method	GENSCAN
Start	215	End	597
GI	none	Score	.61
Exons	215..308, 586..597		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13579	Strand	+
Start	2432	End	2735
Name	OJ990311_16.9819.C17.o1.gp	Method	AAT/GAP
Start	2432	End	2735
GI	72524_1.R1084	Score	444
Exons	2432..2735		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13580	Strand	+
Start	3576	End	7822
Name	OJ990311_16.9819.C17.o1.np	Method	AAT/NAP
Start	3576	End	7822
GI	5091513	Score	2466
Exons	3576..5092, 5747..6408, 6547..6740, 7758..7822		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13580	Strand	+
Start	3576	End	7822
Name	OJ990311_16.9819.C17.o1.gs	Method	GENSCAN
Start	3821	End	7068
GI	none	Score	.65
Exons	3821..5103, 5802..6586, 6611..7068		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13581	Strand	+
Start	9976	End	11394
Name	OJ990311_16.9819.C17.o3.gp	Method	AAT/GAP
Start	9946	End	10310
GI	uC-osroM202008b05b1	Score	701
Exons	9946..10310		
GI Descrip.	'2244805/emb CAB10228.1 6.0e-10 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13581	Strand	+
Start	9976	End	11394
Name	OJ990311_16.9819.C17.o3.gs	Method	GENSCAN
Start	9976	End	11394
GI	none	Score	1
Exons	9976..11394		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o7.gs	Method	GENSCAN
Start	26654	End	41856
GI	none	Score	.53
Exons	26654..26840, 30604..30994, 32148..32224, 32654..32864, 34147..34531, 35001..35165, 35630..35758, 36189..36289, 36602..36710, 37008..37139, 38193..38372, 38611..38706, 38826..38963, 39927..40009, 40314..40351, 40435..40655, 41779..41856		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o5.np	Method	AAT/NAP
Start	34385	End	40658
GI	3184061	Score	466
Exons	34385..34531, 35001..35165, 35439..35523, 35625..35728, 36171..36289, 36647..36746, 37008..37139, 37771..37836, 38121..38376, 38615..38762, 38855..38963, 39927..40009, 40314..40351, 40435..40658		
GI Descrip.	(AL023776) probable atp-dependent rna helicase [Schizosaccharomyces pombe].		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o4.gp	Method	AAT/GAP
Start	36613	End	38311
GI	uC-osflcyp033e08b1	Score	796
Exons	36613..36761, 37008..37139, 37771..37836, 38193..38311		
GI Descrip.	'5123708/emb CAB45452.1 7.0e-43 (AL079347) RNA helicase (RH16) [Arabidopsis thaliana]'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13583	Strand	+
Start	47954	End	48207
Name	OJ990311_16.9819.C17.o5.gp	Method	AAT/GAP
Start	47954	End	48207
GI	8022_1.R1084	Score	341
Exons	47954..48207		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13584	Strand	+
Start	49779	End	51425
Name	OJ990311_16.9819.C17.o9.gs	Method	GENSCAN
Start	49779	End	51425
GI	none	Score	.62
Exons	49779..49843, 50728..50839, 51159..51425		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13585	Strand	+
Start	60468	End	61309
Name	OJ990311_16.9819.C17.o12.gs	Method	GENSCAN
Start	60468	End	61309
GI	none	Score	.54
Exons	60468..60538, 60806..60910, 61114..61309		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13586	Strand	+
Start	70687	End	72402
Name	OJ990311_16.9819.C17.o15.gs	Method	GENSCAN
Start	70687	End	72402
GI	none	Score	.93
Exons	70687..70728, 72250..72402		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13587	Strand	+
Start	83331	End	85364
Name	OJ990311_16.9819.C17.o20.gs	Method	GENSCAN
Start	83331	End	85364
GI	none	Score	.79
Exons	83331..83425, 83444..83585, 85134..85364		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13588	Strand	-
Start	7753	End	9870
Name	OJ990311_16.9819.C17.o2.gs	Method	GENSCAN
Start	7753	End	9870
GI	none	Score	.73
Exons	7753..7889, 9477..9599, 9738..9870		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13588	Strand	-
Start	7753	End	9870
Name	OJ990311_16.9819.C17.o2.gp	Method	AAT/GAP
Start	9147	End	9451
GI	72524_1.R1084	Score	444
Exons	9147..9451		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13589	Strand	-
Start	10413	End	13914
Name	OJ990311_16.9819.C17.o3.np	Method	AAT/NAP
Start	10413	End	13914
GI	5420387	Score	155
Exons	10413..10702, 10872..11338, 13893..13914		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13589	Strand	-
Start	10413	End	13914
Name	OJ990311_16.9819.C17.o4.gs	Method	GENSCAN
Start	12626	End	13235
GI	none	Score	.48
Exons	12626..12654, 13181..13235		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13590	Strand	-
Start	13925	End	15782
Name	OJ990311_16.9819.C17.o5.gs	Method	GENSCAN
Start	13925	End	15782
GI	none	Score	.87
Exons	13925..14071, 14855..14941, 15033..15228, 15553..15782		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13591	Strand	-
Start	23134	End	23989
Name	OJ990311_16.9819.C17.o4.np	Method	AAT/NAP
Start	23134	End	23989
GI	6815063	Score	503

Exons 23134..23181, 23520..23755, 23878..23989
GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13592	Strand	-
Start	42383	End	46164
Name	OJ990311_16.9819.C17.o6.np	Method	AAT/NAP
Start	42383	End	46164
GI	3096922	Score	229
Exons	42383..42457, 43572..43769, 43850..43918, 43996..44061, 44159..44229, 46124..46164		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13592	Strand	-
Start	42383	End	46164
Name	OJ990311_16.9819.C17.o8.gs	Method	GENSCAN
Start	42904	End	44890
GI	none	Score	.64
Exons	42904..43025, 43267..43357, 43445..43618, 43698..43769, 43850..43918, 44159..44350, 44456..44571, 44710..44890		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o10.gs	Method	GENSCAN
Start	52749	End	56965
GI	none	Score	.5
Exons	52749..53567, 53664..53888, 54030..54227, 54318..54882, 54884..55065, 55207..55342, 56940..56965		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o7.np	Method	AAT/NAP
Start	52764	End	54227
GI	1652704	Score	253
Exons	52764..52802, 52889..53248, 53279..53567, 53812..54227		
GI Descrip.	(D90907) hypothetical protein [Synechocystis sp.]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o6.gp	Method	AAT/GAP
Start	56517	End	57587
GI	none	Score	643
Exons	56517..56742, 57450..57587		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o8.np	Method	AAT/NAP
Start	57125	End	66881
GI	2827704	Score	290
Exons	57125..57175, 63228..63447, 64822..64936, 65066..65112, 65395..65528, 65601..65688, 66780..66881		
GI Descrip.	(AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o7.gp	Method	AAT/GAP
Start	58868	End	59160
GI	none	Score	520
Exons	58868..59160		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o13.gs	Method	GENSCAN
Start	63328	End	65688
GI	none	Score	.78
Exons	63328..63447, 63552..63647, 63723..63782, 64822..64936, 65066..65112, 65395..65688		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o9.np	Method	AAT/NAP
Start	63354	End	66881
GI	2827704	Score	297
Exons	63354..63447, 64822..64936, 65066..65112, 65395..65528, 65601..65688, 66780..66881		
GI Descrip.	(AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13594	Strand	-
Start	66859	End	68463
Name	OJ990311_16.9819.C17.o8.gp	Method	AAT/GAP
Start	66698	End	67902
GI	none	Score	1017
Exons	66698..66975, 67100..67195, 67311..67364, 67452..67496, 67787..67902		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13594	Strand	-
Start	66859	End	68463
Name	OJ990311_16.9819.C17.o14.gs	Method	GENSCAN
Start	66859	End	68463
GI	none	Score	.94
Exons	66859..66975, 67100..67195, 67311..67496, 67787..67876, 68013..68153, 68158..68463		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13595	Strand	-
Start	73975	End	74767
Name	OJ990311_16.9819.C17.o16.gs	Method	GENSCAN
Start	73975	End	74767
GI	none	Score	.89
Exons	73975..74185, 74406..74542, 74726..74767		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13596	Strand	-
Start	75701	End	75997

Name	OJ990311_16.9819.C17.o17.gs	Method	GENSCAN
Start	75701	End	75997
GI	none	Score	1
Exons	75701..75997		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13597	Strand	-
Start	76686	End	77741
Name	OJ990311_16.9819.C17.o18.gs	Method	GENSCAN
Start	76686	End	77741
GI	none	Score	.64
Exons	76686..76745, 77577..77741		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13598	Strand	-
Start	80632	End	82310
Name	OJ990311_16.9819.C17.o19.gs	Method	GENSCAN
Start	80632	End	82310
GI	none	Score	.94
Exons	80632..80801, 82307..82310		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.tc	Method	TBLASTX:Cress
Start	9993	End	10359
GI	none	Score	126
Exons	9993..10148, 9994..10146, 10162..10359, 10182..10280		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o6.tm	Method	TBLASTX:Maize
Start	13914	End	15234
GI	none	Score	59
Exons	13914..13979, 13922..13993, 13925..13987, 13991..14071, 13992..14072, 13993..14073, 15031..15234, 15033..15230		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	14882	End	15692
GI	none	Score	54
Exons	14882..14941, 14892..14942, 15033..15230, 15035..15127, 15036..15230, 15106..15234, 15549..15689, 15552..15614, 15660..15692		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	15171	End	15767
GI	none	Score	87
Exons	15171..15230, 15172..15234, 15549..15710, 15552..15614, 15660..15767		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o7.tm	Method	TBLASTX:Maize
Start	34424	End	35500
GI	none	Score	163
Exons	34424..34531, 34471..34533, 34515..34583, 35000..35167, 35001..35168, 35437..35499, 35438..35500		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	38195	End	40646
GI	none	Score	75
Exons	38195..38230, 38196..38261, 38247..38375, 38254..38280, 38321..38377, 38611..38712, 38826..38963, 39924..40001, 40312..40350, 40434..40565, 40605..40646		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o5.tm	Method	TBLASTX:Maize
Start	38600	End	40656
GI	none	Score	112
Exons	38600..38707, 38610..38708, 38611..38712, 38803..38961, 38825..38965, 38826..38963, 38902..38964, 39924..40001, 39925..40011, 39926..40009, 40314..40349, 40434..40655, 40434..40652, 40435..40656		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	43464	End	44052
GI	none	Score	179
Exons	43464..43613, 43473..43619, 43478..43621, 43680..43775, 43696..43800, 43699..43782, 43844..43924, 43855..43938, 43881..43919, 43951..44052, 43996..44049		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	43680	End	44272
GI	none	Score	117
Exons	43680..43775, 43844..43924, 43990..44058, 44159..44272		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	43695	End	44257
GI	none	Score	66
Exons	43695..43775, 43705..43782, 43844..43924, 43846..43938, 43852..43935, 43993..44064, 43997..44017, 44156..44257, 44157..44195		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.tc	Method	TBLASTX:Cress
Start	43844	End	44224
GI	none	Score	95
Exons	43844..43924, 43993..44058, 44159..44224		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	52826	End	53099
GI	none	Score	297
Exons	52826..53047, 52827..53048, 53042..53098, 53043..53099		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	53054	End	53323
GI	none	Score	154
Exons	53054..53323, 53055..53201, 53144..53323		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o8.tm	Method	TBLASTX:Maize
Start	53414	End	53552
GI	none	Score	214
Exons	53414..53551, 53415..53552		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.tm	Method	TBLASTX:Maize
Start	53836	End	54233
GI	none	Score	76
Exons	53836..53892, 53838..53894, 53838..53903, 53997..54086, 54027..54137, 54028..54102, 54135..54233, 54145..54231		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	63326	End	67153
GI	none	Score	116
Exons	63326..63445, 63328..63444, 63336..63455, 63540..63605, 63547..63606, 66861..66977, 66865..66996, 66866..66973, 67100..67153		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	63328	End	67901

GI	none	Score	142
Exons	63328..63447, 63338..63448, 63538..63639, 63540..63647, 63546..63641, 63547..63669, 63682..63774, 63699..63785, 63722..63793, 64416..64487, 64798..64935, 64823..64936, 66872..66976, 66873..66968, 66874..66996, 67025..67195, 67100..67195, 67296..67367, 67306..67338, 67452..67514, 67790..67900, 67791..67901		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	63337	End	67505
GI	4297403	Score	139
Exons	63337..63447, 63338..63448, 63540..63647, 63547..63648, 63699..63785, 63724..63771, 64416..64487, 66872..66976, 66874..66978, 67097..67192, 67100..67195, 67452..67505		
GI Descrip.	2827704/emb_CAA16677_8.0e-09 (AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o5.tc	Method	TBLASTX:Cress
Start	64819	End	67901
GI	none	Score	122
Exons	64819..64941, 64823..64942, 64831..64950, 65060..65113, 65068..65112, 67458..67514, 67793..67900, 67794..67901		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o21.gs	Method	GENSCAN
Start	86851	End	88562
GI	none	Score	.45
Exons	86851..86873, 87691..87796, 88489..88562		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.np	Method	AAT/NAP
Start	1706	End	5082
GI	3445201	Score	520
Exons	1706..2001, 3074..3327, 3480..3739, 4190..4846, 4907..5082		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.gs	Method	GENSCAN
Start	1715	End	6855
GI	none	Score	.81
Exons	1715..2096, 2493..2618, 3121..3170, 3198..3333, 3480..3843, 4257..5073, 6503..6578, 6695..6855		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+

Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.gp	Method	AAT/GAP
Start	1727	End	1876
GI	16732_1.R1084	Score	239
Exons	1727..1876		
GI Descrip.	'3252815 6.0e-48 (AC004705) vacuolar sorting receptor-like protein [Arabidopsis thaliana] >gi_3810588 (AC005398) vacuolar sorting receptor-like protein [Arabidopsis thaliana]'		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o2.gp	Method	AAT/GAP
Start	3440	End	4413
GI	56445_1.R1084	Score	912
Exons	3440..3843, 4257..4413		
GI Descrip.	'3445201/gb AAC32431.1 2.0e-17 (AC004786) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13601	Strand	+
Start	7168	End	7872
Name	OJ990311_16.9819.C18.o2.gs	Method	GENSCAN
Start	7168	End	7872
GI	none	Score	.97
Exons	7168..7872		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13602	Strand	+
Start	7843	End	8093
Name	OJ990311_16.9819.C18.o3.gp	Method	AAT/GAP
Start	7843	End	8093
GI	5005272	Score	407
Exons	7843..8093		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	2059	End	3332
GI	none	Score	75
Exons	2059..2100, 2060..2098, 3119..3241, 3119..3247, 3150..3311, 3153..3299, 3282..3332		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	3167	End	3652
GI	none	Score	138
Exons	3167..3241, 3168..3290, 3481..3651, 3482..3652		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	3351	End	3643

GI	none	Score	47
Exons	3351..3401, 3475..3642, 3476..3643		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	3511	End	3652
GI	none	Score	213
Exons	3511..3651, 3512..3652		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	4261	End	4548
GI	none	Score	75
Exons	4261..4374, 4266..4370, 4267..4374, 4374..4547, 4375..4548, 4375..4548		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4603	End	4863
GI	none	Score	285
Exons	4603..4863, 4605..4862, 4648..4863		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	4868	End	5352
GI	none	Score	54
Exons	4868..4948, 4869..4946, 4936..5076, 4937..5080, 4981..5082, 5040..5123, 5181..5258, 5183..5224, 5232..5273, 5261..5335, 5288..5338, 5293..5352, 5293..5343		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o3.gs	Method	GENSCAN
Start	8265	End	8933
GI	none	Score	.5
Exons	8265..8700, 8731..8933		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13604	Strand	-
Start	8975	End	9732
Name	OJ990311_16.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	8975	End	9732
GI	none	Score	126
Exons	8975..9058, 8981..9055, 8982..9068, 8983..9069, 9324..9470, 9324..9494, 9325..9471, 9555..9602, 9556..9603, 9556..9603, 9681..9725, 9682..9732		

Seq. No.	6434	Seq. ID	OJ990311_16.9819.C19
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Gene No.	13605	Strand	+
Start	1	End	746
Name	OJ990311_16.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	746
GI	4505631	Score	1021
Exons	1..746		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi 387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6434	Seq. ID	OJ990311_16.9819.C19
Gene No.	13605	Strand	+
Start	1	End	746
Name	OJ990311_16.9819.C19.o1.gs	Method	GENSCAN
Start	147	End	595
GI	none	Score	.57
Exons	147..595		

Seq. No.	6435	Seq. ID	OJ990311_17.9819.C1
Gene No.	13606	Strand	+
Start	1	End	764
Name	OJ990311_17.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	764
GI	2498930	Score	53
Exons	1..23, 510..573, 741..764		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6435	Seq. ID	OJ990311_17.9819.C1
Gene No.	13606	Strand	+
Start	1	End	764
Name	OJ990311_17.9819.C1.o1.gs	Method	GENSCAN
Start	271	End	573
GI	none	Score	.68
Exons	271..391, 514..573		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	394
GI	5080792	Score	134
Exons	1..175, 239..394		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.gs	Method	GENSCAN
Start	17	End	394
GI	none	Score	.96
Exons	17..394		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	25	End	377

GI	none	Score	79
Exons	25..153, 44..154, 44..172, 174..275, 191..274, 263..376, 300..377		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	25	End	274
GI	none	Score	292
Exons	25..270, 26..274, 48..272		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	32	End	411
GI	none	Score	397
Exons	32..394, 40..399, 44..397, 112..411		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13608	Strand	+
Start	3126	End	4936
Name	OJ990311_17.9819.C4.o2.gs	Method	GENSCAN
Start	3126	End	4936
GI	none	Score	.63
Exons	3126..3232, 3297..3424, 4734..4936		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13609	Strand	+
Start	16429	End	19638
Name	OJ990311_17.9819.C4.o1.gp	Method	AAT/GAP
Start	16429	End	19571
GI	none	Score	1416
Exons	16429..16936, 19342..19571		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13609	Strand	+
Start	16429	End	19638
Name	OJ990311_17.9819.C4.o6.gs	Method	GENSCAN
Start	19336	End	19638
GI	none	Score	.71
Exons	19336..19638		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13610	Strand	+
Start	24385	End	26100
Name	OJ990311_17.9819.C4.o4.np	Method	AAT/NAP
Start	24385	End	26100
GI	6907087	Score	908
Exons	24385..24753, 24799..25458, 25999..26100		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13611	Strand	+

Start	26560	End	26939
Name	OJ990311_17.9819.C4.o2.gp	Method	AAT/GAP
Start	26560	End	26939
GI	uC-osflcyp033a04b1	Score	633
Exons	26560..26939		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13612	Strand	+
Start	30529	End	30807
Name	OJ990311_17.9819.C4.o3.gp	Method	AAT/GAP
Start	30529	End	30807
GI	31877_1.R1084	Score	215
Exons	30529..30604, 30739..30807		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13613	Strand	+
Start	32070	End	35954
Name	OJ990311_17.9819.C4.o8.gs	Method	GENSCAN
Start	32070	End	35954
GI	none	Score	.61
Exons	32070..32209, 32261..32582, 32983..33132, 33719..33874, 34066..34157, 34433..34616, 35611..35819, 35840..35954		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13613	Strand	+
Start	32070	End	35954
Name	OJ990311_17.9819.C4.o5.np	Method	AAT/NAP
Start	32083	End	35951
GI	5922620	Score	562
Exons	32083..32187, 33371..33482, 34066..34421, 35811..35951		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13614	Strand	+
Start	40697	End	47206
Name	OJ990311_17.9819.C4.o10.gs	Method	GENSCAN
Start	40697	End	47197
GI	none	Score	.72
Exons	40697..40997, 44499..44752, 46296..46545, 46977..47197		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13614	Strand	+
Start	40697	End	47206
Name	OJ990311_17.9819.C4.o6.np	Method	AAT/NAP
Start	40706	End	47206
GI	4218120	Score	300
Exons	40706..40968, 43850..44006, 44560..44748, 46296..46545, 46977..47206		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13615	Strand	+
Start	48030	End	52170
Name	OJ990311_17.9819.C4.o11.gs	Method	GENSCAN
Start	48030	End	52170
GI	none	Score	.75
Exons	48030..48797, 48859..49077, 50032..50312, 50868..51610, 51713..52170		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13616	Strand	+
Start	53000	End	54109
Name	OJ990311_17.9819.C4.o12.gs	Method	GENSCAN
Start	53000	End	54109
GI	none	Score	.91
Exons	53000..53044, 53468..53593, 53969..54109		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13617	Strand	+
Start	72177	End	72791
Name	OJ990311_17.9819.C4.o15.gs	Method	GENSCAN
Start	72177	End	72426
GI	none	Score	.68
Exons	72177..72426		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13617	Strand	+
Start	72177	End	72791
Name	OJ990311_17.9819.C4.o9.np	Method	AAT/NAP
Start	72189	End	72791
GI	4218120	Score	134
Exons	72189..72420, 72759..72791		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13618	Strand	-
Start	1	End	1379
Name	OJ990311_17.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	4914386	Score	116
Exons	1..57, 375..418, 585..771, 1259..1379		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13618	Strand	-
Start	1	End	1379
Name	OJ990311_17.9819.C4.o1.gs	Method	GENSCAN
Start	472	End	876
GI	none	Score	.82
Exons	472..876		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13619	Strand	-
Start	6015	End	11651
Name	OJ990311_17.9819.C4.o3.gs	Method	GENSCAN

Start	6015	End	11651
GI	none	Score	.6
Exons	6015..6182, 7247..7294, 7725..7799, 8359..8588, 11307..11435, 11573..11651		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13619	Strand	-
Start	6015	End	11651
Name	OJ990311_17.9819.C4.o2.np	Method	AAT/NAP
Start	7460	End	9768
GI	1091678	Score	1252
Exons	7460..7519, 7816..9768		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13620	Strand	-
Start	17832	End	18884
Name	OJ990311_17.9819.C4.o5.gs	Method	GENSCAN
Start	17832	End	18884
GI	none	Score	.75
Exons	17832..18361, 18593..18884		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13621	Strand	-
Start	54362	End	60038
Name	OJ990311_17.9819.C4.o13.gs	Method	GENSCAN
Start	54362	End	60038
GI	none	Score	.64
Exons	54362..54610, 54652..54743, 54836..54949, 57455..57611, 59967..60038		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	577	End	72434
GI	none	Score	189
Exons	577..699, 694..765, 38510..38680, 40792..40956, 40793..40966, 72246..72323, 72309..72434		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	589	End	72419
GI	none	Score	191
Exons	589..693, 38501..38674, 40787..40960, 40804..40962, 43839..43871, 43893..43937, 46299..46385, 46464..46547, 72275..72316, 72335..72418, 72336..72419		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	7877	End	9325
GI	none	Score	154
Exons	7877..7954, 7967..8035, 8048..8110, 8098..8151, 8371..8592,		

8372..8596, 8373..8597, 8607..8753, 8750..8884, 8758..8964,
8771..8965, 8969..9010, 9017..9160, 9063..9161, 9151..9264,
9154..9264, 9266..9325

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9326	End	9531
GI	none	Score	141
Exons	9326..9502, 9331..9531, 9334..9513		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	51373	End	51786
GI	none	Score	150
Exons	51373..51621, 51712..51786		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o14.gs	Method	GENSCAN
Start	62073	End	71458
GI	none	Score	.48
Exons	62073..62370, 62465..62750, 63446..63491, 63995..64173, 65533..65584, 67448..67629, 70724..70745, 71456..71458		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o8.np	Method	AAT/NAP
Start	63402	End	64173
GI	4680183	Score	203
Exons	63402..63493, 64105..64173		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.gs	Method	GENSCAN
Start	1587	End	6664
GI	none	Score	.85
Exons	1587..1622, 3672..3759, 4592..4672, 5486..5610, 5857..6093, 6194..6664		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.gp	Method	AAT/GAP
Start	5486	End	5538
GI	13677_1.R1084	Score	83
Exons	5486..5538		
GI Descrip.	'4914384/gb AAD32919.1 AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.np	Method	AAT/NAP
Start	5486	End	6693
GI	6539248	Score	267
Exons	5486..5630, 5871..6095, 6196..6693		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o2.gp	Method	AAT/GAP
Start	5975	End	6297
GI	LIB3434-045-P1-K1-H11	Score	319
Exons	5975..6093, 6194..6297		
GI Descrip.	'2062705/gb U90552 HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o2.np	Method	AAT/NAP
Start	6186	End	6634
GI	728867	Score	181
Exons	6186..6634		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi 99694 pir S21961 proline-rich protein APG - Arabidopsis thaliana gi 22599 emb CAA42925 (X60377) APG [Arabidopsis thaliana]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	6188	End	6657
GI	none	Score	76
Exons	6188..6292, 6374..6655, 6388..6657		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	6188	End	6592
GI	none	Score	92
Exons	6188..6277, 6196..6261, 6284..6592		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o2.gs	Method	GENSCAN
Start	7251	End	11208
GI	none	Score	.43
Exons	7251..7737, 8156..8375, 8422..8466, 10010..10193, 10338..10620, 10780..11208		

Seq. No.	6439	Seq. ID	OJ990311_17.9819.C6
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Gene No.	13625	Strand	+
Start	637	End	765
Name	OJ990311_17.9819.C6.o1.gs	Method	GENSCAN
Start	637	End	765
GI	none	Score	.83
Exons	637..765		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13626	Strand	+
Start	1	End	316
Name	OJ990311_17.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	316
GI	5922620	Score	162
Exons	1..73, 180..316		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13627	Strand	+
Start	613	End	752
Name	OJ990311_17.9819.C7.o1.gs	Method	GENSCAN
Start	613	End	752
GI	none	Score	.82
Exons	613..752		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13628	Strand	-
Start	457	End	546
Name	OJ990311_17.9819.C7.o2.np	Method	AAT/NAP
Start	457	End	546
GI	6630699	Score	79
Exons	457..546		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6441	Seq. ID	OJ990311_17.9819.C8
Gene No.	13629	Strand	+
Start	137	End	1304
Name	OJ990311_17.9819.C8.o1.gs	Method	GENSCAN
Start	137	End	1304
GI	none	Score	.84
Exons	137..216, 334..448, 994..1122, 1209..1304		

Seq. No.	6441	Seq. ID	OJ990311_17.9819.C8
Gene No.	13629	Strand	+
Start	137	End	1304
Name	OJ990311_17.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	365	End	758
GI	none	Score	91
Exons	365..454, 367..474, 399..458, 564..758, 585..704		

Seq. No.	6442	Seq. ID	OJ990311_17.9819.C10
Gene No.	13630	Strand	+

Start	281	End	657
Name	OJ990311_17.9819.C10.o1.gs	Method	GENSCAN
Start	281	End	657
GI	none	Score	.67
Exons	281..325, 529..657		

Seq. No.	6443	Seq. ID	OJ990311_17.9819.C11
Gene No.	13631	Strand	+
Start	1	End	369
Name	OJ990311_17.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	369
GI	6539585	Score	.83
Exons	1..165, 297..369		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6443	Seq. ID	OJ990311_17.9819.C11
Gene No.	13632	Strand	-
Start	256	End	362
Name	OJ990311_17.9819.C11.o1.gs	Method	GENSCAN
Start	256	End	362
GI	none	Score	.85
Exons	256..362		

Seq. No.	6444	Seq. ID	OJ990311_17.9819.C14
Gene No.	13633	Strand	+
Start	1	End	385
Name	OJ990311_17.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	385
GI	6539570	Score	109
Exons	1..124, 322..385		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6445	Seq. ID	OJ990311_17.9819.C18
Gene No.	13634	Strand	-
Start	219	End	446
Name	OJ990311_17.9819.C18.o1.np	Method	AAT/NAP
Start	219	End	446
GI	4680186	Score	185
Exons	219..446		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6446	Seq. ID	OJ990311_11.9819.C1
Gene No.	13635	Strand	+
Start	530	End	1146
Name	OJ990311_11.9819.C1.o1.gp	Method	AAT/GAP
Start	530	End	1146
GI	18501_1.R1084	Score	1166
Exons	530..1146		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6446	Seq. ID	OJ990311_11.9819.C1
Gene No.	13636	Strand	-
Start	1355	End	1855
Name	OJ990311_11.9819.C1.o2.gp	Method	AAT/GAP
Start	1355	End	1855

GI	3762604	Score	795
Exons	1355..1855		
Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13637	Strand	+
Start	4162	End	5982
Name	OJ990311_11.9819.C2.o2.gp	Method	AAT/GAP
Start	4162	End	5982
GI	403_1.R1084	Score	1829
Exons	4162..4644, 5518..5982		
GI Descrip.	'2497538/sp Q42806 KPYC_SOYBN 1.0e-157 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_466350 (L08632) pyruvate kinase [Glycine max]'		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13638	Strand	-
Start	225	End	550
Name	OJ990311_11.9819.C2.o1.gp	Method	AAT/GAP
Start	225	End	550
GI	2431369	Score	545
Exons	225..550		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	4377	End	5990
GI	none	Score	294
Exons	4377..4643, 4402..4644, 4599..4646, 5515..5988, 5516..5989, 5517..5561, 5622..5990		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	4377	End	5990
GI	none	Score	348
Exons	4377..4643, 4384..4644, 5515..5988, 5516..5989, 5517..5561, 5625..5990		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	4437	End	5646
GI	none	Score	296
Exons	4437..4643, 4438..4644, 4599..4646, 5515..5586, 5517..5561, 5572..5646		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	4443	End	5601
GI	none	Score	323
Exons	4443..4643, 4444..4644, 5515..5601, 5517..5561		

Seq. No. 6447
 Gene No. 13639
 Start 4377
 Name OJ990311_11.9819.C2.o1.tc
 Start 5727
 GI none
 Exons 5727..5975, 5728..5979

Seq. ID OJ990311_11.9819.C2
 Strand
 End 5990
 Method TBLASTX:Cress
 End 5979
 Score 371

Seq. No. 6448
 Gene No. 13640
 Start 240
 Name OJ990311_11.9819.C3.o1.tm
 Start 56
 GI none
 Exons 56..94, 57..95, 240..794, 242..829, 245..814

Seq. ID OJ990311_11.9819.C3
 Strand +
 End 1246
 Method TBLASTX:Maize
 End 829
 Score 63

Seq. No. 6448
 Gene No. 13640
 Start 240
 Name OJ990311_11.9819.C3.o1.ts
 Start 56
 GI none
 Exons 56..94, 57..95, 240..797, 242..790

Seq. ID OJ990311_11.9819.C3
 Strand +
 End 1246
 Method TBLASTX:Soybean
 End 797
 Score 63

Seq. No. 6448
 Gene No. 13640
 Start 240
 Name OJ990311_11.9819.C3.o1.gp
 Start 240
 GI 610_1.R1084
 Exons 240..1246

Seq. ID OJ990311_11.9819.C3
 Strand +
 End 1246
 Method AAT/GAP
 End 1246
 Score 1964

GI Descrip. '322787/pir||JC1481 1.0e-112 pyruvate kinase (EC 2.7.1.40),
 cytosolic - potato'

Seq. No. 6448
 Gene No. 13640
 Start 240
 Name OJ990311_11.9819.C3.o1.tc
 Start 243
 GI none
 Exons 243..665, 257..631

Seq. ID OJ990311_11.9819.C3
 Strand +
 End 1246
 Method TBLASTX:Cress
 End 665
 Score 309

Seq. No. 6448
 Gene No. 13640
 Start 240
 Name OJ990311_11.9819.C3.o1.tw
 Start 380
 GI none
 Exons 380..631, 381..665

Seq. ID OJ990311_11.9819.C3
 Strand +
 End 1246
 Method TBLASTX:Wheat
 End 665
 Score 230

Seq. No. 6449
 Gene No. 13641
 Start 270
 Name OJ990311_11.9819.C4.o1.gp
 Start 270
 GI 2427984
 Exons 270..494, 680..883

Seq. ID OJ990311_11.9819.C4
 Strand +
 End 883
 Method AAT/GAP
 End 883
 Score 754

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13642	Strand	
Start	1208	End	1850
Name	OJ990311_11.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	1208	End	1850
GI	none	Score	216
Exons	1208..1348, 1255..1335, 1503..1643, 1515..1643, 1516..1644, 1739..1849, 1740..1850, 1740..1850		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13643	Strand	
Start	1865	End	3160
Name	OJ990311_11.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1865	End	3160
GI	none	Score	59
Exons	1865..1909, 1866..1904, 2006..2170, 2007..2279, 2403..2612, 2852..2980, 3092..3160		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13643	Strand	
Start	1865	End	3160
Name	OJ990311_11.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	2133	End	2394
GI	none	Score	335
Exons	2133..2393, 2134..2394, 2135..2290, 2360..2392		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13644	Strand	
Start	3094	End	3699
Name	OJ990311_11.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3094	End	3699
GI	none	Score	228
Exons	3094..3336, 3095..3337, 3099..3347, 3284..3337, 3449..3523, 3451..3561, 3456..3665, 3457..3663, 3458..3670, 3551..3697, 3618..3698, 3631..3699		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149
Name	OJ990311_11.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	8043	End	9140
GI	none	Score	145
Exons	8043..8384, 8047..8244, 8196..8396, 8275..8370, 8688..8894, 8979..9140		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149
Name	OJ990311_11.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	8049	End	9089
GI	none	Score	63
Exons	8049..8414, 8062..8370, 8766..8876, 8877..9089		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149

Name	OJ990311_11.9819.C4.ol.tc	Method	TBLASTX:Cress
Start	8070	End	9149
GI	none	Score	66
Exons	8070..8384, 8124..8426, 8127..8369, 8127..8453, 8130..8354, 8412..8462, 8676..8894, 8685..8885, 8694..8888, 8754..8894, 8757..8897, 8763..8897, 8766..8891, 8898..9149, 8898..9122, 8898..9122, 8901..9104, 8903..8938, 8904..9116, 8905..9018, 8910..9095, 8913..9122, 8913..9032, 8934..9068, 8958..9122		

Seq. No.	6450	Seq. ID	OJ990311_11.9819.C8
Gene No.	13646	Strand	-
Start	865	End	1233
Name	OJ990311_11.9819.C8.ol.gp	Method	AAT/GAP
Start	865	End	1233
GI	699981	Score	706
Exons	865..1233		

Seq. No.	6451	Seq. ID	OJ990311_11.9819.C21
Gene No.	13647	Strand	-
Start	145	End	704
Name	OJ990311_11.9819.C21.ol.gp	Method	AAT/GAP
Start	145	End	704
GI	none	Score	1084
Exons	145..704		

Seq. No.	6451	Seq. ID	OJ990311_11.9819.C21
Gene No.	13648	Strand	-
Start	802	End	1153
Name	OJ990311_11.9819.C21.o2.gp	Method	AAT/GAP
Start	802	End	1153
GI	LIB3433-031-P1-K1-C10	Score	493
Exons	802..1153		
GI Descrip.	'121343/sp P14655 GLN2_ORYSA 1.0e-23 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir_AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]'		

Seq. No.	6452	Seq. ID	OJ990311_11.9819.C23
Gene No.	13649	Strand	-
Start	262	End	541
Name	OJ990311_11.9819.C23.ol.ts	Method	TBLASTX:Soybean
Start	262	End	541
GI	none	Score	251
Exons	262..516, 263..496, 266..541, 267..515		

Seq. No.	6453	Seq. ID	OJ990311_11.9819.C24
Gene No.	13650	Strand	-
Start	384	End	658
Name	OJ990311_11.9819.C24.ol.gp	Method	AAT/GAP
Start	384	End	658
GI	215_1.R1084	Score	493
Exons	384..658		
GI Descrip.	'4158219/emb CAA77234 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	6454	Seq. ID	OJ990311_11.9819.C25
Gene No.	13651	Strand	+
Start	348	End	630
Name	OJ990311_11.9819.C25.o1.gp	Method	AAT/GAP
Start	348	End	630
GI	5038915	Score	436
Exons	348..630		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	475	End	814
GI	none	Score	40
Exons	475..498, 476..499, 529..792, 596..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.gp	Method	AAT/GAP
Start	494	End	814
GI	uC-osflm202109f10b1	Score	622
Exons	494..814		

GI Descrip. '3335378 7.0e-26 (AC003028) Myb-related transcription activator [Arabidopsis thaliana]'

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	494	End	814
GI	none	Score	40
Exons	494..520, 494..520, 520..810, 520..792, 521..814, 596..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	568	End	814
GI	none	Score	88
Exons	568..789, 623..814, 689..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	624	End	832
GI	none	Score	62
Exons	624..830, 628..792, 629..832		

Seq. No.	6456	Seq. ID	OJ990311_11.9819.C27
Gene No.	13653	Strand	-
Start	186	End	397
Name	OJ990311_11.9819.C27.o1.gp	Method	AAT/GAP
Start	186	End	397
GI	none	Score	405
Exons	186..397		

Seq. No.	6457	Seq. ID	OJ990311_11.9819.C28
Gene No.	13654	Strand	-
Start	2516	End	3033
Name	OJ990311_11.9819.C28.o1.gp	Method	AAT/GAP
Start	2516	End	3033
GI	none	Score	983
Exons	2516..3033		

Seq. No.	6457	Seq. ID	OJ990311_11.9819.C28
Gene No.	13654	Strand	-
Start	2516	End	3033
Name	OJ990311_11.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	2716	End	2996
GI	none	Score	172
Exons	2716..2901, 2717..2923, 2730..2918, 2951..2989, 2952..2996		

Seq. No.	6458	Seq. ID	OJ990311_11.9819.C29
Gene No.	13655	Strand	+
Start	2115	End	2579
Name	OJ990311_11.9819.C29.o1.gp	Method	AAT/GAP
Start	2115	End	2579
GI	none	Score	822
Exons	2115..2579		

Seq. No.	6458	Seq. ID	OJ990311_11.9819.C29
Gene No.	13656	Strand	
Start	7321	End	7608
Name	OJ990311_11.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	7321	End	7608
GI	none	Score	277
Exons	7321..7608, 7362..7592, 7405..7608		

Seq. No.	6459	Seq. ID	OJ990311_11.9819.C31
Gene No.	13657	Strand	+
Start	2306	End	3012
Name	OJ990311_11.9819.C31.o1.gp	Method	AAT/GAP
Start	2306	End	3012
GI	59478_1.R1084	Score	778
Exons	2306..2598, 2744..2809, 2909..3012		
GI Descrip.	'3088573 2.0e-16 (AF059530) protein arginine N-methyltransferase 3 [Rattus norvegicus]'		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13658	Strand	
Start	99	End	582
Name	OJ990311_11.9819.C32.o3.tm	Method	TBLASTX:Maize
Start	99	End	582
GI	none	Score	83
Exons	99..167, 100..168, 131..169, 276..362, 276..356, 278..358, 514..582		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13659	Strand	
Start	588	End	1027
Name	OJ990311_11.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	588	End	1027

GI	none	Score	59
Exons	588..632, 589..633, 746..859, 761..841, 762..863, 762..857, 935..1024, 937..1023, 938..1027		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13660	Strand	
Start	1271	End	1676
Name	OJ990311_11.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	1271	End	1676
GI	none	Score	95
Exons	1271..1342, 1273..1323, 1324..1461, 1352..1465, 1553..1642, 1562..1669, 1563..1676		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	1064	End	2074
GI	none	Score	111
Exons	1064..1144, 1721..1846, 1722..1844, 1853..2074, 1854..2000		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	1710	End	1985
GI	none	Score	108
Exons	1710..1844, 1718..1846, 1857..1985, 1859..1984		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2053
GI	4297956	Score	114
Exons	1793..1846, 1857..2000, 1859..2053		
GI Descrip.	-		

Seq. No.	6462	Seq. ID	OJ990311_11.9819.C41
Gene No.	13662	Strand	-
Start	1345	End	1697
Name	OJ990311_11.9819.C41.o1.gp	Method	AAT/GAP
Start	1345	End	1697
GI	3762250	Score	662
Exons	1345..1697		

Seq. No.	6463	Seq. ID	OJ990311_11.9819.C42
Gene No.	13663	Strand	
Start	120	End	3410
Name	OJ990311_11.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	120	End	3374
GI	none	Score	84
Exons	120..296, 3204..3374, 3205..3372		

Seq. No.	6463	Seq. ID	OJ990311_11.9819.C42
Gene No.	13663	Strand	
Start	120	End	3410

Name	OJ990311_11.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	120	End	3410
GI	none	Score	120
Exons	120..206, 3190..3372, 3204..3410		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13664	Strand	+
Start	578	End	1018
Name	OJ990311_11.9819.C43.o1.gp	Method	AAT/GAP
Start	578	End	1018
GI	7406_1.R1084	Score	625
Exons	578..909, 944..1018		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13665	Strand	-
Start	961	End	1414
Name	OJ990311_11.9819.C43.o2.gp	Method	AAT/GAP
Start	961	End	1414
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	961..1414		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13666	Strand	-
Start	2476	End	2975
Name	OJ990311_11.9819.C43.o3.gp	Method	AAT/GAP
Start	2476	End	2975
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	2476..2726, 2803..2975		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o1.tw	Method	TBLASTX:Wheat
Start	5598	End	5978
GI	none	Score	79
Exons	5598..5774, 5628..5774, 5659..5778, 5772..5972, 5784..5978		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	5676	End	6272
GI	none	Score	145
Exons	5676..5747, 5811..6110, 5872..6093, 6144..6272, 6166..6264		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o4.gp	Method	AAT/GAP
Start	5798	End	6229

GI	5701669	Score	837
Exons	5798..6229		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6465	Seq. ID	OJ990311_11.9819.C44
Gene No.	13668	Strand	
Start	1010	End	1223
Name	OJ990311_11.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1223
GI	none	Score	195
Exons	1010..1204, 1011..1205, 1011..1223		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tc	Method	TBLASTX:Cress
Start	1038	End	2934
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1470..1565, 1569..1709, 1817..1945, 2812..2934		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	1038	End	1945
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1254..1469, 1470..1565, 1484..1558, 1569..1709, 1817..1945		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tw	Method	TBLASTX:Wheat
Start	1038	End	1709
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1470..1565, 1569..1709		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	1113	End	1855
GI	none	Score	35
Exons	1113..1148, 1232..1480, 1233..1481, 1460..1729, 1464..1727, 1482..1733, 1553..1729, 1817..1855		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o2.tm	Method	TBLASTX:Maize
Start	1861	End	2493
GI	none	Score	134
Exons	1861..1989, 1862..1987, 2227..2493, 2241..2471		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o2.ts	Method	TBLASTX:Soybean
Start	2232	End	2472
GI	none	Score	246
Exons	2232..2468, 2233..2472		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o3.tm	Method	TBLASTX:Maize
Start	2572	End	2873
GI	none	Score	89
Exons	2572..2721, 2575..2775, 2576..2731, 2797..2871, 2799..2873		

Seq. No.	6467	Seq. ID	OJ990311_11.9819.C47
Gene No.	13670	Strand	
Start	220	End	383
Name	OJ990311_11.9819.C47.o1.tm	Method	TBLASTX:Maize
Start	220	End	383
GI	none	Score	266
Exons	220..378, 222..377, 336..383		

Seq. No.	6467	Seq. ID	OJ990311_11.9819.C47
Gene No.	13670	Strand	
Start	220	End	383
Name	OJ990311_11.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	220	End	378
GI	none	Score	245
Exons	220..378, 222..377		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.tm	Method	TBLASTX:Maize
Start	133	End	531
GI	none	Score	57
Exons	133..270, 209..271, 280..531, 281..454		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.ts	Method	TBLASTX:Soybean
Start	178	End	627
GI	none	Score	56
Exons	178..258, 200..268, 325..627		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.tw	Method	TBLASTX:Wheat
Start	208	End	630
GI	none	Score	39
Exons	208..258, 209..286, 358..630, 362..568		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
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Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.ol.ts	Method	TBLASTX:Soybean
Start	1376	End	3118
GI	none	Score	138
Exons	1376..1678, 1510..1848, 1843..2025, 1851..2018, 2031..2675, 2155..2394, 2527..2676, 2629..2676, 3065..3118		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.ol.tc	Method	TBLASTX:Cress
Start	1381	End	2672
GI	none	Score	60
Exons	1381..1434, 1391..1486, 1516..1668, 1687..1830, 1896..1988, 2046..2258, 2292..2474, 2514..2672		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.ol.tm	Method	TBLASTX:Maize
Start	1507	End	2675
GI	none	Score	80
Exons	1507..1659, 1510..1713, 1511..1714, 1759..1833, 1760..1834, 1842..1967, 1843..2007, 1848..2015, 2040..2675, 2121..2186, 2155..2394, 2464..2673		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.ol.tw	Method	TBLASTX:Wheat
Start	2031	End	2301
GI	none	Score	53
Exons	2031..2300, 2037..2186, 2155..2301		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.ol.ts	Method	TBLASTX:Soybean
Start	1096	End	3070
GI	none	Score	135
Exons	1096..1710, 1097..1384, 1448..1750, 1810..2394, 1868..2383, 3017..3070		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.ol.tm	Method	TBLASTX:Maize
Start	1174	End	3070
GI	none	Score	107
Exons	1174..1410, 1178..1411, 1442..1705, 1459..1713, 1816..2382, 1828..1968, 1868..2380, 3017..3070		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.ol.tc	Method	TBLASTX:Cress

Start	1204	End	2283
GI	none	Score	254
Exons	1204..1374, 1459..1572, 1558..1704, 1825..2283		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	1810	End	2008
GI	none	Score	82
Exons	1810..2007, 1819..1974, 1868..2008		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13674	Strand	-
Start	311	End	3644
Name	OJ990311_11.9819.C52.o1.gp	Method	AAT/GAP
Start	311	End	3644
GI	13076_1.R1084	Score	1819
Exons	311..574, 939..1096, 1436..1484, 2022..2089, 2476..2556, 2647..2691, 2791..2855, 3015..3085, 3447..3644		
GI Descrip.	'4758922/ref NP_004269.1 pPIGL 2.0e-28 phosphatidylinositol glycan, class L >gi_4239986_dbj_BAA74775.1_ (AB017165) PIG-L [Homo sapiens]'		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o2.tm	Method	TBLASTX:Maize
Start	2800	End	3640
GI	none	Score	63
Exons	2800..2856, 2801..2857, 3012..3086, 3013..3084, 3014..3088, 3014..3091, 3443..3640, 3447..3635		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o2.gp	Method	AAT/GAP
Start	4191	End	5712
GI	1444_1.R1084	Score	2657
Exons	4191..5446, 5568..5712		
GI Descrip.	'629829/pir S39394 1.0e-146 protochlorophyllide reductase (EC 1.3.1.33) - wheat >gi_510677_emb_CAA54042_ (X76532) protochlorophyllide reductase [Triticum aestivum]'		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	4337	End	5318
GI	none	Score	201
Exons	4337..4738, 4338..4544, 4602..4739, 4742..4771, 4820..5308, 4821..5210, 5271..5318		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.tm	Method	TBLASTX:Maize

Start	4338	End	5444
GI	none	Score	301
Exons	4338..4484, 4340..5398, 4341..4547, 4586..4765, 4605..4772, 4821..5210, 5271..5309, 5394..5444		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.tc	Method	TBLASTX:Cress
Start	4340	End	5308
GI	none	Score	207
Exons	4340..4738, 4347..4544, 4586..4732, 4602..4739, 4742..5308, 4824..5210		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o2.ts	Method	TBLASTX:Soybean
Start	2609	End	2768
GI	none	Score	189
Exons	2609..2653, 2610..2768, 2635..2730, 2681..2731		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o1.tc	Method	TBLASTX:Cress
Start	2613	End	2768
GI	none	Score	185
Exons	2613..2768, 2618..2653, 2681..2746		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	2613	End	2768
GI	none	Score	184
Exons	2613..2768, 2618..2746		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o1.gp	Method	AAT/GAP
Start	2769	End	3197
GI	none	Score	812
Exons	2769..3197		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13677	Strand	
Start	3802	End	5142
Name	OJ990311_11.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	3802	End	5142
GI	none	Score	224
Exons	3802..4041, 3803..4042, 3804..4043, 3804..4043, 3808..4047, 4074..4139, 4075..4170, 4141..4410, 4197..4409, 4839..4937, 4842..4937, 5047..5142, 5048..5077, 5091..5123		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
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Gene No.	13677	Strand	
Start	3802	End	5142
Name	OJ990311_11.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	4281	End	5133
GI	none	Score	105
Exons	4281..4409, 4291..4410, 4839..4961, 4879..4962, 5047..5133		
Seq. No.	6472	Seq. ID	OJ990311_11.9819.C54
Gene No.	13678	Strand	
Start	1334	End	1501
Name	OJ990311_11.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	1334	End	1501
GI	none	Score	176
Exons	1334..1498, 1334..1501		
Seq. No.	6473	Seq. ID	OJ990311_11.9819.C57
Gene No.	13679	Strand	-
Start	34	End	166
Name	OJ990311_11.9819.C57.o1.gp	Method	AAT/GAP
Start	34	End	166
GI	none	Score	235
Exons	34..166		
Seq. No.	6474	Seq. ID	OJ990311_11.9819.C58
Gene No.	13680	Strand	+
Start	122	End	426
Name	OJ990311_11.9819.C58.o1.gp	Method	AAT/GAP
Start	122	End	426
GI	287269	Score	577
Exons	122..426		
GI Descrip.	121343/sp P14655 GLN2_ORYSA 1.0e-23 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir_AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_(X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]		
Seq. No.	6475	Seq. ID	OJ990311_11.9819.C59
Gene No.	13681	Strand	
Start	264	End	712
Name	OJ990311_11.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	264	End	712
GI	none	Score	77
Exons	264..353, 269..343, 273..350, 275..358, 461..556, 462..554, 463..555, 624..707, 624..707, 625..711, 626..712		
Seq. No.	6476	Seq. ID	OJ990311_11.9819.C60
Gene No.	13682	Strand	
Start	184	End	725
Name	OJ990311_11.9819.C60.o1.tm	Method	TBLASTX:Maize
Start	184	End	725
GI	none	Score	222
Exons	184..309, 185..313, 186..308, 412..486, 414..488, 415..486, 551..658, 573..659, 575..649, 577..651, 696..725		
Seq. No.	6477	Seq. ID	OJ990311_11.9819.C63
Gene No.	13683	Strand	+

Start	1	End	289
Name	OJ990311_11.9819.C63.o1.gp	Method	AAT/GAP
Start	1	End	289
GI	LIB3431-045-P1-N1-A10	Score	494
Exons	1..289		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig.b)'		
Seq. No.	6477	Seq. ID	OJ990311_11.9819.C63
Gene No.	13684	Strand	-
Start	232	End	638
Name	OJ990311_11.9819.C63.o2.gp	Method	AAT/GAP
Start	232	End	638
GI	7406_1.R1084	Score	669
Exons	232..638		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	6478	Seq. ID	OJ990311_11.9819.C67
Gene No.	13685	Strand	+
Start	274	End	368
Name	OJ990311_11.9819.C67.o1.gp	Method	AAT/GAP
Start	274	End	368
GI	33511_1.R1084	Score	145
Exons	274..368		
GI Descrip.	'3549652/emb CAA12272 2.0e-36 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		
Seq. No.	6479	Seq. ID	OJ990311_11.9819.C74
Gene No.	13686	Strand	+
Start	55	End	106
Name	OJ990311_11.9819.C74.o1.gp	Method	AAT/GAP
Start	55	End	106
GI	LIB3432-030-P1-K1-F9	Score	79
Exons	55..106		
GI Descrip.	'3941543 2.0e-15 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		
Seq. No.	6480	Seq. ID	OJ990311_11.9819.C77
Gene No.	13687	Strand	+
Start	581	End	674
Name	OJ990311_11.9819.C77.o1.gp	Method	AAT/GAP
Start	581	End	674
GI	19694_1.R1084	Score	148
Exons	581..674		
GI Descrip.	'3281853/emb CAA19748 2.0e-98 (AL031004) putative protein [Arabidopsis thaliana]'		
Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13688	Strand	+
Start	396	End	1032
Name	OJ990311_11.9819.C80.o1.gp	Method	AAT/GAP
Start	396	End	1032
GI	570065	Score	411
Exons	396..503, 903..1032		
GI Descrip.	2443881 1.0e-16 (AC002294) contains beta-transducin motif		

[Arabidopsis thaliana]

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o3.tm	Method	TBLASTX:Maize
Start	1358	End	2909
GI	none	Score	65
Exons	1358..1480, 1376..1471, 1641..1865, 1659..1868, 1659..1751, 1679..1867, 2032..2172, 2066..2176, 2067..2171, 2068..2175, 2835..2909, 2837..2908		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o2.gp	Method	AAT/GAP
Start	2061	End	4179
GI	4714835	Score	900
Exons	2061..2169, 2839..2909, 3671..3745, 3833..3976, 4083..4179		
GI Descrip.	2443881 1.0e-59 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	3667	End	4488
GI	none	Score	104
Exons	3667..3759, 3669..3749, 3671..3754, 3824..3976, 3831..3986, 3831..3971, 3832..3975, 4065..4247, 4071..4325, 4071..4307, 4082..4324, 4411..4488, 4413..4478, 4414..4479		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o1.tc	Method	TBLASTX:Cress
Start	3689	End	4322
GI	none	Score	87
Exons	3689..3754, 3691..3759, 3824..3976, 3825..3986, 3834..3971, 3835..3972, 4071..4283, 4075..4188, 4224..4322, 4226..4303, 4245..4304, 4250..4306		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13690	Strand	
Start	4492	End	5193
Name	OJ990311_11.9819.C80.o2.tm	Method	TBLASTX:Maize
Start	4492	End	5193
GI	none	Score	199
Exons	4492..4731, 4492..4731, 4573..4785, 4639..4716, 4652..4717, 4660..4761, 4681..4773, 4716..4763, 4723..4770, 4748..4792, 4765..4902, 4766..4792, 4778..4906, 4779..4901, 4780..4896, 4781..4915, 4782..4913, 4783..4962, 4816..4899, 4816..4911, 4834..4902, 4882..5037, 4893..4943, 4896..5036, 4904..5023, 4905..5033, 4914..5033, 4915..5034, 4923..5090, 4942..5067, 4973..5038, 4986..5087, 4987..5127, 5007..5129, 5008..5148, 5026..5193, 5053..5076, 5091..5180		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.ol.tm	Method	TBLASTX:Maize
Start	67	End	720
GI	none	Score	728
Exons	67..720, 68..718, 76..720		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.ol.tw	Method	TBLASTX:Wheat
Start	67	End	463
GI	none	Score	61
Exons	67..198, 226..321, 310..462, 374..463		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.ol.ts	Method	TBLASTX:Soybean
Start	67	End	720
GI	none	Score	69
Exons	67..198, 68..199, 137..199, 193..228, 229..294, 242..268, 292..711, 292..720, 518..718		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.ol.gp	Method	AAT/GAP
Start	68	End	720
GI	215_1.R1084	Score	1271
Exons	68..720		
GI Descrip.	'4158219/emb CAA77234 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.ol.tc	Method	TBLASTX:Cress
Start	70	End	718
GI	none	Score	50
Exons	70..198, 226..321, 241..318, 245..322, 310..717, 361..642, 374..718		

Seq. No.	6483	Seq. ID	OJ990311_11.9819.C87
Gene No.	13692	Strand	-
Start	1	End	848
Name	OJ990311_11.9819.C87.ol.gp	Method	AAT/GAP
Start	1	End	848
GI	uC-osrocyp003c06a1	Score	707
Exons	1..233, 496..559, 676..738, 817..848		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584

Name	OJ990311_11.9819.C88.ol.tm	Method	TBLASTX:Maize
Start	1	End	584
GI	none	Score	58
Exons	1..60, 164..274, 165..275, 167..277, 378..581, 379..582, 380..580, 381..584		
Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584
Name	OJ990311_11.9819.C88.ol.ts	Method	TBLASTX:Soybean
Start	165	End	584
GI	none	Score	55
Exons	165..275, 185..277, 379..471, 381..500, 555..584, 556..582		
Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584
Name	OJ990311_11.9819.C88.ol.gp	Method	AAT/GAP
Start	185	End	580
GI	43933_1.R1084	Score	527
Exons	185..275, 381..580		
GI Descrip.	'3128186 6.0e-17 (AC004521) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	6485	Seq. ID	OJ990311_11.9819.C91
Gene No.	13694	Strand	+
Start	1	End	126
Name	OJ990311_11.9819.C91.ol.gp	Method	AAT/GAP
Start	1	End	126
GI	18501_1.R1084	Score	213
Exons	1..126		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudra protein. (AC003981) [Oryza sativa]'		
Seq. No.	6485	Seq. ID	OJ990311_11.9819.C91
Gene No.	13695	Strand	
Start	88	End	1015
Name	OJ990311_11.9819.C91.ol.tm	Method	TBLASTX:Maize
Start	88	End	1015
GI	none	Score	47
Exons	88..147, 267..371, 272..361, 363..422, 367..423, 370..429, 459..584, 494..583, 501..593, 899..1015, 901..1014		
Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.ol.gp	Method	AAT/GAP
Start	246	End	1015
GI	LIB3475-006-P1-K1-A4	Score	819
Exons	246..357, 497..730, 892..1015		
GI Descrip.	'3293031/emb CAA07563 3.0e-36 (AJ007574) amino acid carrier [Ricinus communis]'		
Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299

Name	OJ990311_11.9819.C92.ol.tc	Method	TBLASTX:Cress
Start	315	End	1299
GI	none	Score	59
Exons	315..374, 493..732, 495..713, 1155..1292, 1156..1299		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.ol.ts	Method	TBLASTX:Soybean
Start	330	End	1299
GI	none	Score	54
Exons	330..374, 493..732, 495..731, 1083..1133, 1084..1164, 1140..1298, 1144..1299		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.ol.tm	Method	TBLASTX:Maize
Start	505	End	1260
GI	none	Score	269
Exons	505..732, 507..632, 1102..1164, 1150..1248, 1155..1253, 1156..1260		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13697	Strand	-
Start	235	End	382
Name	OJ990311_11.9819.C96.ol.gp	Method	AAT/GAP
Start	235	End	382
GI	LIB3475-011-P1-K1-F12	Score	177
Exons	235..382		
GI Descrip.	'3941543 1.0e-25 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13698	Strand	
Start	1893	End	2230
Name	OJ990311_11.9819.C96.ol.tm	Method	TBLASTX:Maize
Start	1893	End	2230
GI	none	Score	218
Exons	1893..2027, 1894..2028, 1946..2068, 2156..2230, 2160..2219, 2161..2220		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13698	Strand	
Start	1893	End	2230
Name	OJ990311_11.9819.C96.ol.ts	Method	TBLASTX:Soybean
Start	1893	End	2028
GI	none	Score	169
Exons	1893..2027, 1894..2028		

Seq. No.	6488	Seq. ID	OJ990311_11.9819.C99
Gene No.	13699	Strand	+
Start	65	End	211
Name	OJ990311_11.9819.C99.ol.gp	Method	AAT/GAP
Start	65	End	211
GI	uC-osflcyp121b09b1	Score	179

Exons 65..211
 GI Descrip. '4585871/gb|AAD25544.1|AC005850_1 1.0e-67 (AC005850) Unknown protein [Arabidopsis thaliana]'

Seq. No. 6489 Seq. ID OJ990311_11.9819.C102
 Gene No. 13700 Strand +
 Start 351 End 406
 Name OJ990311_11.9819.C102.o1.gp Method AAT/GAP
 Start 351 End 406
 GI 13076 1.R1084 Score 56
 Exons 351..406

GI Descrip. '4758922/ref|NP_004269.1|pPIGL| 2.0e-28 phosphatidylinositol glycan, class L >gi_4239986_dbj_BAA74775.1_ (AB017165) PIG-L [Homo sapiens]'

Seq. No. 6490 Seq. ID OJ990311_11.9819.C103
 Gene No. 13701 Strand -
 Start 646 End 737
 Name OJ990311_11.9819.C103.o1.gp Method AAT/GAP
 Start 646 End 737
 GI none Score 154
 Exons 646..737

Seq. No. 6491 Seq. ID OJ990311_11.9819.C106
 Gene No. 13702 Strand
 Start 72 End 470
 Name OJ990311_11.9819.C106.o1.tm Method TBLASTX:Maize
 Start 72 End 470
 GI none Score 184
 Exons 72..323, 149..322, 332..394, 333..470

Seq. No. 6492 Seq. ID OJ990311_11.9819.C108
 Gene No. 13703 Strand +
 Start 1 End 201
 Name OJ990311_11.9819.C108.o1.gp Method AAT/GAP
 Start 1 End 201
 GI 21771 1.R1084 Score 394
 Exons 1..201
 GI Descrip. '4454472/gb|AAD20919| 4.0e-27 (AC006234) unknown protein [Arabidopsis thaliana]'

Seq. No. 6492 Seq. ID OJ990311_11.9819.C108
 Gene No. 13704 Strand +
 Start 7362 End 7501
 Name OJ990311_11.9819.C108.o2.gp Method AAT/GAP
 Start 7362 End 7501
 GI LIB3474-009-P1-K1-F11 Score 228
 Exons 7362..7501
 GI Descrip. '4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'

Seq. No. 6492 Seq. ID OJ990311_11.9819.C108
 Gene No. 13705 Strand -
 Start 13418 End 15125
 Name OJ990311_11.9819.C108.o3.ts Method TBLASTX:Soybean
 Start 803 End 1012
 GI none Score 115

Exons 803..1012, 807..929

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tm	Method	TBLASTX:Maize
Start	893	End	2336
GI	none	Score	72
Exons	893..1015, 908..1018, 1427..1573, 1436..1573, 1497..1634, 1660..1869, 1661..1903, 1662..1727, 1667..1900, 1977..2201, 1982..2209, 2313..2336		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o3.tc	Method	TBLASTX:Cress
Start	938	End	1870
GI	none	Score	69
Exons	938..1012, 1442..1573, 1503..1700, 1662..1856, 1664..1870		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.ts	Method	TBLASTX:Soybean
Start	1466	End	2399
GI	none	Score	58
Exons	1466..1573, 1506..1577, 1662..1871, 1664..1900, 1715..1879, 1962..2186, 1967..2209, 1988..2188, 2313..2399		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tw	Method	TBLASTX:Wheat
Start	1751	End	2209
GI	none	Score	84
Exons	1751..1900, 1751..1903, 1967..2209, 1988..2176, 1989..2201		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tc	Method	TBLASTX:Cress
Start	1983	End	2700
GI	none	Score	103
Exons	1983..2207, 1984..2094, 1986..2201, 1988..2212, 1988..2227, 2310..2417, 2310..2432, 2312..2449, 2368..2433, 2611..2700		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o4.tm	Method	TBLASTX:Maize
Start	9045	End	9308
GI	none	Score	189
Exons	9045..9308, 9212..9304		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125

Name	OJ990311_11.9819.C108.o3.gp	Method	AAT/GAP
Start	13418	End	15125
GI	2265_1.R1084	Score	2693
Exons	13418..14092, 14304..14547, 14647..15125		
GI Descrip.	'542200/pir S41890 4.0e-86 hypothetical protein - garden asparagus >gi_452714_emb_CAA54526_ (X77320) unknown [Asparagus officinalis]'		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tm	Method	TBLASTX:Maize
Start	13797	End	14457
GI	none	Score	348
Exons	13797..13985, 13817..14110, 13818..14078, 14304..14456, 14305..14457		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tc	Method	TBLASTX:Cress
Start	13817	End	14870
GI	none	Score	300
Exons	13817..14089, 13818..14087, 13853..14092, 14365..14451, 14370..14459, 14430..14549, 14467..14550, 14685..14786, 14796..14870		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.ts	Method	TBLASTX:Soybean
Start	13817	End	14486
GI	none	Score	316
Exons	13817..14116, 13818..14087, 13829..14092, 14304..14486, 14308..14451		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tw	Method	TBLASTX:Wheat
Start	14400	End	14862
GI	none	Score	189
Exons	14400..14573, 14401..14562, 14655..14861, 14656..14862, 14776..14862		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o3.tm	Method	TBLASTX:Maize
Start	14463	End	14861
GI	none	Score	86
Exons	14463..14552, 14463..14567, 14685..14798, 14686..14772, 14778..14861, 14812..14859		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326

Name	OJ990311_13.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	4326
GI	4378066	Score	638
Exons	1..20, 1329..2110, 4286..4326		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326
Name	OJ990311_13.9819.C2.o2.np	Method	AAT/NAP
Start	554	End	2734
GI	1109849	Score	67
Exons	554..596, 2451..2734		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326
Name	OJ990311_13.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	1670	End	2076
GI	none	Score	203
Exons	1670..1897, 1723..1932, 1943..2071, 1948..2076		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13707	Strand	+
Start	1	End	7911
Name	OJ990311_13.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	7911
GI	5732634	Score	158
Exons	1..219, 366..590, 7681..7911		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13708	Strand	-
Start	203	End	3157
Name	OJ990311_13.9819.C3.o1.gs	Method	GENSCAN
Start	203	End	3157
GI	none	Score	.79
Exons	203..466, 495..856, 1088..1224, 1652..1703, 2117..2147, 2524..2687, 3010..3157		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13709	Strand	-
Start	6846	End	7958
Name	OJ990311_13.9819.C3.o2.gs	Method	GENSCAN
Start	6846	End	7958
GI	none	Score	.69
Exons	6846..6960, 7813..7958		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13710	Strand	+
Start	137	End	588
Name	OJ990311_13.9819.C4.o1.gs	Method	GENSCAN
Start	137	End	588

GI	none	Score	.49
Exons	137..351, 532..588		
Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13711	Strand	+
Start	1428	End	1809
Name	OJ990311_13.9819.C4.o2.gp	Method	AAT/GAP
Start	1428	End	1809
GI	uC-osflcyp033a04b1	Score	679
Exons	1428..1809		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	4697
GI	5852180	Score	475
Exons	1..63, 103..506, 558..675, 1658..1727, 4540..4697		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o2.gs	Method	GENSCAN
Start	2998	End	4404
GI	none	Score	.95
Exons	2998..4404		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o2.np	Method	AAT/NAP
Start	3187	End	3576
GI	2665788	Score	88
Exons	3187..3363, 3450..3576		
GI Descrip.	(AF035676) cellular nucleic acid binding protein [Gallus gallus]		

Seq. No.	6496	Seq. ID	OJ990311_13.9819.C6
Gene No.	13713	Strand	+
Start	498	End	697
Name	OJ990311_13.9819.C6.o1.gs	Method	GENSCAN
Start	498	End	689
GI	none	Score	.63
Exons	498..689		

Seq. No.	6496	Seq. ID	OJ990311_13.9819.C6
Gene No.	13713	Strand	+
Start	498	End	697
Name	OJ990311_13.9819.C6.o1.np	Method	AAT/NAP
Start	498	End	697
GI	4680186	Score	245
Exons	498..697		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6497	Seq. ID	OJ990311_13.9819.C8
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Gene No.	13714	Strand	-
Start	494	End	775
Name	OJ990311_13.9819.C8.o1.np	Method	AAT/NAP
Start	494	End	775
GI	728831	Score	203
Exons	494..775		
GI Descrip.	**** ALU SUBFAMILY J WARNING ENTRY ****		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13715	Strand	+
Start	6182	End	9487
Name	OJ990311_13.9819.C11.o1.np	Method	AAT/NAP
Start	6182	End	9484
GI	5803259	Score	4380
Exons	6182..7440, 7540..7772, 7818..9484		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13715	Strand	+
Start	6182	End	9487
Name	OJ990311_13.9819.C11.o2.gs	Method	GENSCAN
Start	6182	End	9487
GI	none	Score	.86
Exons	6182..7440, 7540..8388, 8419..9487		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13716	Strand	+
Start	16335	End	17853
Name	OJ990311_13.9819.C11.o3.np	Method	AAT/NAP
Start	16335	End	17853
GI	5922623	Score	288
Exons	16335..16442, 16824..16944, 17111..17186, 17769..17853		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13717	Strand	+
Start	17755	End	19645
Name	OJ990311_13.9819.C11.o4.np	Method	AAT/NAP
Start	17755	End	19645
GI	100484	Score	1201
Exons	17755..19645		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13718	Strand	+
Start	26029	End	30384
Name	OJ990311_13.9819.C11.o6.np	Method	AAT/NAP
Start	26029	End	30381
GI	6815052	Score	1806
Exons	26029..26182, 26264..26334, 26617..26738, 27035..27134, 27995..28087, 28904..29042, 29091..29825, 29907..29980, 30262..30381		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
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Gene No. 13718
 Start 26029
 Name OJ990311_13.9819.C11.o6.gs
 Start 28205
 GI none
 Exons 28205..29921, 30263..30384

Strand +
 End 30384
 Method GENSCAN
 End 30384
 Score .46

Seq. No. 6498
 Gene No. 13719
 Start 32442
 Name OJ990311_13.9819.C11.o7.gs
 Start 32442
 GI none
 Exons 32442..33167

Seq. ID OJ990311_13.9819.C11
 Strand +
 End 33167
 Method GENSCAN
 End 33167
 Score .52

Seq. No. 6498
 Gene No. 13720
 Start 40632
 Name OJ990311_13.9819.C11.o9.gs
 Start 40632
 GI none
 Exons 40632..41561, 42367..42765

Seq. ID OJ990311_13.9819.C11
 Strand +
 End 42765
 Method GENSCAN
 End 42765
 Score .79

Seq. No. 6498
 Gene No. 13721
 Start 43835
 Name OJ990311_13.9819.C11.o10.np
 Start 43820
 GI 4680204
 Exons 43820..45212, 45325..45706, 54759..54868, 60665..60979, 66229..66266
 GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. ID OJ990311_13.9819.C11
 Strand +
 End 66266
 Method AAT/NAP
 End 66266
 Score 815

Seq. No. 6498
 Gene No. 13721
 Start 43835
 Name OJ990311_13.9819.C11.o10.gs
 Start 43835
 GI none
 Exons 43835..44042, 44118..44737, 44807..44984, 45061..45212, 45325..45518, 45702..45957, 46168..46349, 46439..46612, 46702..46792, 47676..47749, 48278..48407, 48443..48616, 48735..48902, 49023..49160

Seq. ID OJ990311_13.9819.C11
 Strand +
 End 66266
 Method GENSCAN
 End 49160
 Score .41

Seq. No. 6498
 Gene No. 13722
 Start 66305
 Name OJ990311_13.9819.C11.o11.np
 Start 66305
 GI 4680179
 Exons 66305..66377, 67273..68266, 68294..71674
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990311_13.9819.C11
 Strand +
 End 71674
 Method AAT/NAP
 End 71674
 Score 5594

Seq. No. 6498
 Gene No. 13723
 Start 893
 Name OJ990311_13.9819.C11.o1.gs

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 4981
 Method GENSCAN

Start	893	End	4981
GI	none	Score	.7
Exons	893..1055, 3275..3420, 3646..3696, 4524..4700, 4925..4981		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13724	Strand	-
Start	10106	End	15752
Name	OJ990311_13.9819.C11.o2.np	Method	AAT/NAP
Start	10106	End	15752
GI	6498441	Score	6791
Exons	10106..10387, 10481..11878, 12050..12532, 12725..12965, 13140..13274, 13458..13831, 13895..14358, 14689..15752		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13725	Strand	-
Start	20819	End	21121
Name	OJ990311_13.9819.C11.o5.np	Method	AAT/NAP
Start	20819	End	21121
GI	6539578	Score	140
Exons	20819..21121		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13726	Strand	-
Start	32640	End	37178
Name	OJ990311_13.9819.C11.o7.np	Method	AAT/NAP
Start	32640	End	37178
GI	4680203	Score	1615
Exons	32640..32759, 33842..34687, 34964..35190, 35350..36261, 36295..36658, 36695..36906, 36970..37178		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13726	Strand	-
Start	32640	End	37178
Name	OJ990311_13.9819.C11.o8.gs	Method	GENSCAN
Start	33734	End	37137
GI	none	Score	.55
Exons	33734..34062, 34573..35473, 35633..35890, 36209..36793, 36844..37137		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	10472	End	71296
GI	none	Score	707
Exons	10472..10588, 10643..10801, 70670..71296, 70671..70691, 70726..71175, 70727..71287, 71236..71295		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.tw	Method	TBLASTX:Wheat

Start 10844
 GI none
 Exons 10844..11233, 10920..11210

End 11233
 Score 169

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o6.tm
 Start 10913
 GI none
 Exons 10913..11236, 10926..11207

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Maize
 End 11236
 Score 192

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o22.tw
 Start 11429
 GI none
 Exons 11429..11689, 11565..11741

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Wheat
 End 11741
 Score 67

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o5.ts
 Start 11489
 GI 5666795
 Exons 11489..11689, 11744..11881, 11957..12055
 GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Soybean
 End 12055
 Score 64

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o11.tw
 Start 11744
 GI none
 Exons 11744..11893, 11745..11882, 11747..11884, 11940..12113, 11954..12205, 11954..12178, 15151..15204

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Wheat
 End 15204
 Score 86

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o6.tw
 Start 12828
 GI none
 Exons 12828..13253, 12833..13252, 62485..62673, 62535..62699, 62601..62714, 62615..62701, 69425..69670

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Wheat
 End 69670
 Score 335

Seq. No. 6498
 Gene No. 13727
 Start 72423
 Name OJ990311_13.9819.C11.o1.ts
 Start 12911
 GI none
 Exons 12911..13282, 62446..62604, 62601..62711, 69260..69292, 69262..69291, 69296..69349, 69298..69339, 69395..69439, 69404..69655, 69412..69645, 69503..69646

Seq. ID OJ990311_13.9819.C11
 Strand -
 End 72687
 Method TBLASTX:Soybean
 End 69655
 Score 56

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.tm	Method	TBLASTX:Maize
Start	12926	End	69640
GI	none	Score	226
Exons	12926..13309, 12945..13310, 62425..62673, 62446..62553, 62535..62609, 62601..62708, 62615..62701, 69425..69640		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	13337	End	69214
GI	none	Score	115
Exons	13337..13642, 13337..13693, 13347..13658, 62040..62396, 62041..62397, 68969..69214		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	13361	End	69187
GI	none	Score	400
Exons	13361..13822, 13362..13823, 61912..62367, 61974..62366, 68969..69187		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.ts	Method	TBLASTX:Soybean
Start	13418	End	62145
GI	none	Score	99
Exons	13418..13552, 13559..13783, 61951..62145		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.tw	Method	TBLASTX:Wheat
Start	13991	End	61707
GI	none	Score	165
Exons	13991..14473, 14019..14279, 14301..14474, 58261..58362, 61327..61458, 61507..61707, 61507..61701		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.tw	Method	TBLASTX:Wheat
Start	15212	End	60528
GI	none	Score	80
Exons	15212..15469, 15324..15485, 15452..15550, 15453..15533, 15557..15604, 52667..52771, 60208..60288, 60280..60528		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o15.tm	Method	TBLASTX:Maize

Start	15314	End	60411
GI	none	Score	86
Exons	15314..15562, 15315..15599, 52583..52759, 60208..60411		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o14.tw	Method	TBLASTX:Wheat
Start	17705	End	36611
GI	none	Score	85
Exons	17705..17824, 17737..17838, 17821..17862, 17860..18054, 17862..18056, 17862..18053, 17867..18064, 17867..18058, 36359..36595, 36359..36493, 36363..36611, 36363..36512, 36548..36610		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	17985	End	36448
GI	none	Score	103
Exons	17985..18068, 17986..18060, 18061..18156, 18145..18396, 18147..18401, 18148..18414, 35987..36253, 35988..36227, 36326..36448		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	18154	End	36247
GI	none	Score	222
Exons	18154..18426, 18426..18491, 35906..36247, 35913..36062		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.tm	Method	TBLASTX:Maize
Start	18154	End	36391
GI	none	Score	67
Exons	18154..18243, 18259..18423, 18282..18410, 18425..18538, 18426..18536, 35861..36112, 35930..36091, 35931..36110, 36170..36247, 36305..36391		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.tw	Method	TBLASTX:Wheat
Start	18336	End	36110
GI	none	Score	112
Exons	18336..18425, 18337..18426, 18441..18539, 18446..18538, 18449..18541, 18519..18743, 18540..18743, 18542..18748, 35666..35704, 35717..35812, 35843..35956, 35856..35954, 35960..36061, 35961..36089, 36068..36109, 36069..36110		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687

Name	OJ990311_13.9819.C11.o6.ts	Method	TBLASTX:Soybean
Start	18624	End	35782
GI	none	Score	199
Exons	18624..18854, 35552..35707, 35717..35782		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.tw	Method	TBLASTX:Wheat
Start	18887	End	35518
GI	none	Score	90
Exons	18887..18937, 18888..18950, 18936..19178, 18956..19129, 19208..19291, 19211..19291, 19212..19292, 35075..35161, 35076..35162, 35304..35369, 35309..35398, 35477..35518		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	19293	End	41621
GI	none	Score	385
Exons	19293..19478, 19298..19600, 19299..19601, 33941..34042, 34058..34162, 34059..34163, 34151..34309, 34167..34298, 34358..35074, 34521..35021, 40595..41200, 40596..41216, 41210..41254, 41211..41255, 41258..41353, 41262..41321, 41300..41425, 41301..41429, 41331..41447, 41469..41534, 41523..41621		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	19341	End	35098
GI	none	Score	247
Exons	19341..19601, 19352..19591, 34715..35029, 34716..35030, 35030..35098		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o15.tw	Method	TBLASTX:Wheat
Start	25270	End	44830
GI	none	Score	64
Exons	25270..25347, 25274..25342, 25426..25671, 25453..25542, 44429..44665, 44429..44572, 44485..44670, 44660..44830, 44713..44829		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.ts	Method	TBLASTX:Soybean
Start	28310	End	28690
GI	none	Score	106
Exons	28310..28516, 28499..28690		
Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-

Start	72423	End	72687
Name	OJ990311_13.9819.C11.o17.tw	Method	TBLASTX:Wheat
Start	28337	End	28792
GI	none	Score	89
Exons	28337..28480, 28364..28489, 28496..28792, 28573..28782		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.tm	Method	TBLASTX:Maize
Start	34175	End	41201
GI	none	Score	83
Exons	34175..34279, 34176..34280, 34295..34465, 34329..34463, 40911..41012, 41076..41189, 41079..41201		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	34358	End	41033
GI	none	Score	144
Exons	34358..34783, 34521..34775, 40584..41033, 40592..41029, 40596..41033		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.tm	Method	TBLASTX:Maize
Start	38204	End	38693
GI	none	Score	87
Exons	38204..38266, 38220..38309, 38360..38530, 38361..38609, 38592..38693		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o23.tw	Method	TBLASTX:Wheat
Start	38571	End	38897
GI	none	Score	185
Exons	38571..38897, 38690..38887		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.tm	Method	TBLASTX:Maize
Start	38694	End	39377
GI	none	Score	155
Exons	38694..38915, 38702..38887, 39003..39227, 39258..39377		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.ts	Method	TBLASTX:Soybean
Start	39003	End	39641
GI	none	Score	109
Exons	39003..39230, 39240..39338, 39429..39491, 39618..39641		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o16.tw	Method	TBLASTX:Wheat
Start	39363	End	39698
GI	none	Score	183
Exons	39363..39569, 39365..39544, 39476..39544, 39578..39694, 39579..39698		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o14.tm	Method	TBLASTX:Maize
Start	39378	End	39746
GI	none	Score	144
Exons	39378..39569, 39437..39568, 39448..39588, 39567..39644, 39636..39746		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.tm	Method	TBLASTX:Maize
Start	39996	End	40311
GI	none	Score	96
Exons	39996..40100, 40093..40311, 40168..40299		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.ts	Method	TBLASTX:Soybean
Start	62152	End	69187
GI	none	Score	93
Exons	62152..62358, 68873..69187		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o21.tw	Method	TBLASTX:Wheat
Start	67417	End	67615
GI	none	Score	195
Exons	67417..67614, 67418..67615		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o11.tm	Method	TBLASTX:Maize
Start	67667	End	68005
GI	none	Score	246
Exons	67667..68005, 67667..67876		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.tw	Method	TBLASTX:Wheat
Start	67667	End	68017
GI	none	Score	314
Exons	67667..68017		

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o19.tw
Start 68351
GI none
Exons 68351..68704

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Wheat
End 68704
Score 245

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o16.tm
Start 68738
GI none
Exons 68738..68905, 68746..68853

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Maize
End 68905
Score 193

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o20.tw
Start 69197
GI none
Exons 69197..69346, 69205..69342, 69219..69362, 69224..69373, 69261..69371

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Wheat
End 69373
Score 220

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o5.tw
Start 69671
GI none
Exons 69671..70096, 69679..70089, 69746..70096

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Wheat
End 70096
Score 588

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o4.ts
Start 69677
GI none
Exons 69677..69925

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Soybean
End 69925
Score 206

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o2.tm
Start 69743
GI none
Exons 69743..70096, 69748..70089

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Maize
End 70096
Score 463

Seq. No. 6498
Gene No. 13727
Start 72423
Name OJ990311_13.9819.C11.o3.tw
Start 70124
GI none
Exons 70124..70663, 70306..70662

Seq. ID OJ990311_13.9819.C11
Strand -
End 72687
Method TBLASTX:Wheat
End 70663
Score 622

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	70361	End	70687
GI	none	Score	91
Exons	70361..70543, 70544..70687, 70546..70686		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	70454	End	70711
GI	none	Score	298
Exons	70454..70711, 70462..70710		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	70510	End	70801
GI	none	Score	410
Exons	70510..70797, 70511..70801, 70643..70798		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	70849	End	71434
GI	none	Score	219
Exons	70849..71004, 70850..71011, 71008..71169, 71009..71434, 71236..71433		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o18.tw	Method	TBLASTX:Wheat
Start	71300	End	71629
GI	none	Score	249
Exons	71300..71629, 71311..71577, 71447..71578		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.np	Method	AAT/NAP
Start	72381	End	72687
GI	5852179	Score	112
Exons	72381..72687		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.gs	Method	GENSCAN
Start	72423	End	72647
GI	none	Score	.5

Exons 72423..72647

Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680179	Score	523
Exons	1..710		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	231	End	588
GI	none	Score	183
Exons	231..488, 232..498, 502..588, 512..586		

Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	241	End	488
GI	none	Score	183
Exons	241..471, 348..488		

Seq. No.	6500	Seq. ID	OJ990311_13.9819.C14
Gene No.	13729	Strand	-
Start	1	End	755
Name	OJ990311_13.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	755
GI	4505631	Score	1232
Exons	1..755		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi 387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6500	Seq. ID	OJ990311_13.9819.C14
Gene No.	13729	Strand	-
Start	1	End	755
Name	OJ990311_13.9819.C14.o1.gs	Method	GENSCAN
Start	23	End	704
GI	none	Score	.55
Exons	23..704		

Seq. No.	6501	Seq. ID	OJ990311_13.9819.C16
Gene No.	13730	Strand	-
Start	354	End	510
Name	OJ990311_13.9819.C16.o1.gp	Method	AAT/GAP
Start	354	End	510
GI	jC-osleLIB3474037g11a1	Score	276
Exons	354..510		
GI Descrip.	'5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+

Start	1	End	784
Name	OJ990421_10.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	657
GI	114409	Score	70
Exons	1..26, 217..361, 536..657		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi 67822 pir PWRZAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice mitochondrion gi 13959 emb CAA35787 (X51422) F-1-ATPase alpha subunit (AA 1-509) [Oryza sativa]		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+
Start	1	End	784
Name	OJ990421_10.9819.C2.o2.np	Method	AAT/NAP
Start	484	End	784
GI	3643596	Score	223
Exons	484..784		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+
Start	1	End	784
Name	OJ990421_10.9819.C2.o1.gs	Method	GENSCAN
Start	511	End	699
GI	none	Score	.74
Exons	511..699		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13732	Strand	-
Start	508	End	708
Name	OJ990421_10.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	484	End	708
GI	none	Score	186
Exons	484..657, 505..630, 619..708, 629..706, 630..707		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13732	Strand	-
Start	508	End	708
Name	OJ990421_10.9819.C2.o1.gp	Method	AAT/GAP
Start	508	End	707
GI	35014 1.R1084	Score	320
Exons	508..707		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6503	Seq. ID	OJ990421_10.9819.C3
Gene No.	13733	Strand	+
Start	108	End	916
Name	OJ990421_10.9819.C3.o1.np	Method	AAT/NAP
Start	108	End	916
GI	1724114	Score	196
Exons	108..200, 326..405, 550..648, 777..916		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	6503	Seq. ID	OJ990421_10.9819.C3
Gene No.	13733	Strand	+
Start	108	End	916

Name	OJ990421_10.9819.C3.o1.gs	Method	GENSCAN
Start	149	End	628
GI	none	Score	.7
Exons	149..254, 326..405, 550..628		
Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	773
GI	3643597	Score	249
Exons	1..322, 683..773		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	59	End	279
GI	none	Score	123
Exons	59..232, 61..237, 64..237, 232..279		
Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.gs	Method	GENSCAN
Start	64	End	282
GI	none	Score	.59
Exons	64..282		
Seq. No.	6505	Seq. ID	OJ990421_10.9819.C8
Gene No.	13735	Strand	+
Start	1	End	779
Name	OJ990421_10.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	779
GI	3643597	Score	194
Exons	1..24, 540..779		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6505	Seq. ID	OJ990421_10.9819.C8
Gene No.	13736	Strand	-
Start	105	End	211
Name	OJ990421_10.9819.C8.o1.gs	Method	GENSCAN
Start	105	End	211
GI	none	Score	.53
Exons	105..211		
Seq. No.	6506	Seq. ID	OJ990421_10.9819.C9
Gene No.	13737	Strand	+
Start	130	End	441
Name	OJ990421_10.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	127	End	441
GI	none	Score	41
Exons	127..165, 226..441, 240..440		
Seq. No.	6506	Seq. ID	OJ990421_10.9819.C9
Gene No.	13737	Strand	+

Start 130
 Name OJ990421_10.9819.C9.o1.gs
 Start 130
 GI none
 Exons 130..441

End 441
 Method GENSCAN
 End 441
 Score .46

Seq. No. 6507
 Gene No. 13738
 Start 112
 Name OJ990421_10.9819.C10.o1.gs
 Start 112
 GI none
 Exons 112..247, 378..451

Seq. ID OJ990421_10.9819.C10
 Strand +
 End 451
 Method GENSCAN
 End 451
 Score .46

Seq. No. 6507
 Gene No. 13739
 Start 1491
 Name OJ990421_10.9819.C10.o2.gs
 Start 1491
 GI none
 Exons 1491..1495, 1549..1600

Seq. ID OJ990421_10.9819.C10
 Strand -
 End 1600
 Method GENSCAN
 End 1600
 Score .89

Seq. No. 6508
 Gene No. 13740
 Start 103
 Name OJ990421_10.9819.C11.o1.gs
 Start 103
 GI none
 Exons 103..640

Seq. ID OJ990421_10.9819.C11
 Strand +
 End 724
 Method GENSCAN
 End 640
 Score .68

Seq. No. 6508
 Gene No. 13740
 Start 103
 Name OJ990421_10.9819.C11.o1.gp
 Start 500
 GI 52271 1.R1084
 Exons 500..724

Seq. ID OJ990421_10.9819.C11
 Strand +
 End 724
 Method AAT/GAP
 End 724
 Score 379

GI Descrip. '5042437/gb|AC007789.1|AC007789 5.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'

Seq. No. 6508
 Gene No. 13741
 Start 1632
 Name OJ990421_10.9819.C11.o1.tm
 Start 105
 GI none
 Exons 105..227, 105..227

Seq. ID OJ990421_10.9819.C11
 Strand +
 End 5023
 Method TBLASTX:Maize
 End 227
 Score 213

Seq. No. 6508
 Gene No. 13741
 Start 1632
 Name OJ990421_10.9819.C11.o1.ts
 Start 1611
 GI none
 Exons 1611..1664, 1631..1675, 1768..1821, 1769..1822, 1775..1819, 1927..2019, 1944..2024, 1944..2003, 2173..2253, 2181..2246, 2324..2410, 2326..2400, 2532..2642, 2725..2763

Seq. ID OJ990421_10.9819.C11
 Strand +
 End 5023
 Method TBLASTX:Soybean
 End 2763
 Score 48

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.np	Method	AAT/NAP
Start	1632	End	4906
GI	1724114	Score	791
Exons	1632..1672, 1768..1819, 1945..2024, 2169..2247, 2327..2410, 2496..2641, 2727..2974, 3204..3272, 3434..3636, 3909..4522, 4837..4906		
GI Descrip.	(U80041) Afl10-protein [Avena fatua]		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o2.gs	Method	GENSCAN
Start	1632	End	5023
GI	none	Score	.91
Exons	1632..1672, 1768..1873, 1945..2024, 2169..2247, 2327..2410, 2496..2641, 2727..2993, 3142..3272, 3434..3636, 3909..4524, 4836..5023		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2498	End	2763
GI	none	Score	171
Exons	2498..2584, 2499..2642, 2722..2763		

Seq. No.	6509	Seq. ID	OJ990421_10.9819.C13
Gene No.	13742	Strand	+
Start	1	End	211
Name	OJ990421_10.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	211
GI	6630699	Score	86
Exons	1..211		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6509	Seq. ID	OJ990421_10.9819.C13
Gene No.	13743	Strand	+
Start	348	End	1700
Name	OJ990421_10.9819.C13.o2.np	Method	AAT/NAP
Start	348	End	1700
GI	6539570	Score	118
Exons	348..542, 698..765, 1612..1700		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13744	Strand	+
Start	622	End	1871
Name	OJ990421_10.9819.C14.o1.gs	Method	GENSCAN
Start	622	End	1871
GI	none	Score	.7
Exons	622..686, 692..966, 1852..1871		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o1.np	Method	AAT/NAP
Start	3098	End	5504
GI	3643597	Score	474
Exons	3098..3145, 3615..3705, 3810..3880, 4532..4783, 4867..4997, 5149..5504		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o1.gp	Method	AAT/GAP
Start	3284	End	3663
GI	none	Score	678
Exons	3284..3663		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o2.gs	Method	GENSCAN
Start	3494	End	9410
GI	none	Score	.92
Exons	3494..3880, 4532..4783, 4867..4962, 5149..5317, 5596..5696, 6054..6146, 7162..7233, 7411..7560, 8765..8953, 9243..9410		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o2.np	Method	AAT/NAP
Start	8472	End	9736
GI	114419	Score	70
Exons	8472..8615, 9704..9736		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi 67820 pir PWWTAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat mitochondrion		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o3.np	Method	AAT/NAP
Start	8738	End	9407
GI	3643596	Score	423
Exons	8738..8953, 9243..9407		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	4568	End	5274
GI	none	Score	41
Exons	4568..4615, 4610..4786, 4610..4783, 4615..4788, 4867..4980, 4869..4916, 4870..4944, 5147..5257, 5148..5264, 5149..5274, 5172..5261		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	5424	End	7237
GI	none	Score	141
Exons	5424..5525, 5431..5517, 5472..5519, 5595..5696, 5595..5696, 5597..5704, 6050..6145, 6052..6147, 6054..6146, 7155..7232, 7156..7233, 7160..7237, 7162..7233		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	8738	End	9421
GI	none	Score	186
Exons	8738..8911, 8759..8884, 8873..8965, 8884..8955, 9219..9413, 9240..9413, 9242..9421		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	8849	End	9410
GI	none	Score	129
Exons	8849..8965, 8851..8928, 9219..9281, 9240..9410, 9293..9394, 9309..9407		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.gp	Method	AAT/GAP
Start	9759	End	10729
GI	none	Score	1672
Exons	9759..10294, 10394..10729		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	9829	End	10728
GI	none	Score	63
Exons	9829..9897, 9871..9930, 9877..9939, 9894..9932, 9992..10105, 9997..10095, 9997..10116, 10144..10296, 10157..10297, 10172..10297, 10391..10432, 10393..10437, 10393..10431, 10513..10614, 10534..10608, 10541..10618, 10669..10728		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	9996	End	10648
GI	none	Score	56
Exons	9996..10076, 9997..10074, 9997..10077, 10049..10099, 10083..10121, 10087..10209, 10100..10222, 10110..10205, 10127..10222, 10207..10296, 10208..10309, 10391..10462,		

10393..10461, 10498..10575, 10500..10577, 10537..10578,
10570..10638, 10583..10648

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o3.gs	Method	GENSCAN
Start	9997	End	14699
GI	none	Score	.7
Exons	9997..10294, 10394..10643, 13127..13183, 13307..13492, 13494..13650, 13716..13905, 13999..14307, 14497..14699		

Seq. No.	6511	Seq. ID	OJ990421_10.9819.C15
Gene No.	13747	Strand	+
Start	2081	End	2361
Name	OJ990421_10.9819.C15.o1.gs	Method	GENSCAN
Start	2081	End	2361
GI	none	Score	.69
Exons	2081..2192, 2197..2361		

Seq. No.	6511	Seq. ID	OJ990421_10.9819.C15
Gene No.	13748	Strand	+
Start	4539	End	5158
Name	OJ990421_10.9819.C15.o2.gs	Method	GENSCAN
Start	4539	End	5158
GI	none	Score	.71
Exons	4539..4695, 4743..5158		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o2.np	Method	AAT/NAP
Start	911	End	2725
GI	461978	Score	531
Exons	911..985, 1763..2725		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE A PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE A) ((1->3)-BETA-GLUCANASE A) (ACIDIC BETA-1,3-GLUCANASE) (BETA-1,3-ENDOGLUCANASE A) gi 282944 pir S26240 beta-glucanase - tomato gi 170380 (M80604) beta-1,3-glucanase [Lycopersicon esculentum]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o3.np	Method	AAT/NAP
Start	974	End	3393
GI	4835761	Score	224
Exons	974..1051, 1823..2320, 2751..3034, 3373..3393		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.gs	Method	GENSCAN
Start	1350	End	4160
GI	none	Score	.63
Exons	1350..1395, 1743..3017, 3894..3924, 4031..4160		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.np	Method	AAT/NAP
Start	1760	End	2497
GI	2921323	Score	995
Exons	1760..2497		
GI Descrip.	(AF034112) beta-1,3-glucanase 7 [Glycine max]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.gp	Method	AAT/GAP
Start	2949	End	4257
GI	286358	Score	606
Exons	2949..3017, 3894..3924, 4031..4257		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	1736	End	2212
GI	none	Score	356
Exons	1736..2212, 1756..2211		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1741	End	2848
GI	none	Score	1854
Exons	1741..2499, 1742..2848, 2075..2791, 2554..2847		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	1751	End	3016
GI	none	Score	185
Exons	1751..2047, 2063..2131, 2234..2356, 2369..2563, 2578..2727, 2582..2731, 2759..3016		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	1760	End	2170
GI	none	Score	188
Exons	1760..2047, 1765..1938, 2005..2055, 2066..2170, 2078..2161		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	2275	End	2908
GI	none	Score	1085

Exons 2275..2499, 2276..2908, 2276..2791, 2472..2900, 2554..2907

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	2477	End	2716
GI	none	Score	174
Exons	2477..2716, 2572..2694		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	2768	End	3018
GI	none	Score	90
Exons	2768..2848, 2776..2847, 2852..3016, 2899..3018		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	2848	End	4353
GI	none	Score	302
Exons	2848..3018, 2849..3019, 2849..3022, 3882..3929, 3978..4193, 3990..4160, 3991..4215, 4033..4236, 4312..4353, 4315..4347		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o4.np	Method	AAT/NAP
Start	4882	End	6363
GI	3377509	Score	208
Exons	4882..5013, 5827..5989, 6067..6127, 6262..6363		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.gs	Method	GENSCAN
Start	5820	End	5989
GI	none	Score	.52
Exons	5820..5989		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	5823	End	6121
GI	none	Score	149
Exons	5823..5990, 5836..5994, 6059..6121, 6060..6119		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	5833	End	6121

GI	none	Score	138
Exons	5833..5991, 5835..5990, 6059..6121, 6060..6119		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	5835	End	6127
GI	none	Score	153
Exons	5835..5990, 5836..5991, 6059..6127, 6066..6122		
Seq. No.	6513	Seq. ID	OJ990421_10.9819.C17
Gene No.	13751	Strand	-
Start	43	End	168
Name	OJ990421_10.9819.C17.o1.gs	Method	GENSCAN
Start	43	End	168
GI	none	Score	.43
Exons	43..168		
Seq. No.	6514	Seq. ID	OJ990421_10.9819.C19
Gene No.	13752	Strand	+
Start	140	End	261
Name	OJ990421_10.9819.C19.o1.gs	Method	GENSCAN
Start	140	End	261
GI	none	Score	.63
Exons	140..261		
Seq. No.	6514	Seq. ID	OJ990421_10.9819.C19
Gene No.	13753	Strand	-
Start	90	End	346
Name	OJ990421_10.9819.C19.o1.gp	Method	AAT/GAP
Start	90	End	346
GI	none	Score	472
Exons	90..346		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	416
GI	114419	Score	77
Exons	1..168, 328..416		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi 67820 pir PWWTAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat mitochondrion		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	258	End	942
GI	none	Score	186
Exons	258..431, 279..404, 393..485, 404..475, 740..934, 761..934, 762..935, 763..942		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+

Start	1	End	1209
Name	OJ990421_10.9819.C21.o2.np	Method	AAT/NAP
Start	258	End	928
GI	3643596	Score	423
Exons	258..473, 764..928		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.gp	Method	AAT/GAP
Start	281	End	1209
GI	35014_1.R1084	Score	932
Exons	281..473, 764..1010, 1045..1209		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.gs	Method	GENSCAN
Start	285	End	931
GI	none	Score	.92
Exons	285..473, 764..931		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	345	End	910
GI	none	Score	163
Exons	345..485, 347..472, 750..827, 755..856, 761..856, 833..910, 847..909		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	369	End	931
GI	none	Score	129
Exons	369..485, 371..448, 740..802, 761..931, 814..915, 830..928		
Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.gp	Method	AAT/GAP
Start	89	End	343
GI	4968607	Score	401
Exons	89..343		
Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.gs	Method	GENSCAN
Start	167	End	3418
GI	none	Score	.52
Exons	167..526, 694..835, 895..1258, 2420..2449, 2545..2650,		

2722..2801, 2946..3024, 3104..3187, 3273..3418

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	323	End	529
GI	none	Score	282
Exons	323..529, 325..528		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	701	End	1005
GI	none	Score	309
Exons	701..898, 702..881, 703..882, 883..1005, 883..1005		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o2.gp	Method	AAT/GAP
Start	1278	End	1501
GI	52271_1.R1084	Score	362
Exons	1278..1501		
GI Descrip.	'5042437/gb AC007789.1 AC007789 5.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	2388	End	3540
GI	none	Score	48
Exons	2388..2441, 2408..2452, 2545..2598, 2546..2599, 2552..2596, 2704..2796, 2721..2801, 2721..2780, 2950..3030, 2958..3023, 3101..3187, 3103..3177, 3309..3419, 3502..3540		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.np	Method	AAT/NAP
Start	2409	End	3627
GI	1724114	Score	435
Exons	2409..2449, 2545..2596, 2722..2801, 2946..3024, 3104..3187, 3273..3418, 3504..3627		
GI Descrip.	(U80041) Afl10-protein [Avena fatua]		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	3275	End	3540
GI	none	Score	171
Exons	3275..3361, 3276..3419, 3499..3540		

Seq. No.	6517	Seq. ID	OJ990421_10.9819.C23
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Gene No. 13756
 Start 231
 Name OJ990421_10.9819.C23.o1.gs
 Start 231
 GI none
 Exons 231..293, 907..921

Strand +
 End 921
 Method GENSCAN
 End 921
 Score .81

Seq. No. 6518
 Gene No. 13757
 Start 179
 Name OJ990421_10.9819.C25.o1.np
 Start 179
 GI 3643597
 Exons 179..331, 361..534, 686..903
 GI Descrip. (AC005395) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990421_10.9819.C25
 Strand -
 End 903
 Method AAT/NAP
 End 903
 Score 205

Seq. No. 6518
 Gene No. 13757
 Start 179
 Name OJ990421_10.9819.C25.o1.gs
 Start 366
 GI none
 Exons 366..534, 721..816

Seq. ID OJ990421_10.9819.C25
 Strand -
 End 903
 Method GENSCAN
 End 816
 Score .54

Seq. No. 6519
 Gene No. 13758
 Start 293
 Name OJ990421_10.9819.C26.o1.np
 Start 293
 GI 4539423
 Exons 293..431, 479..519, 603..665, 753..892, 1073..1164
 GI Descrip. (AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]

Seq. ID OJ990421_10.9819.C26
 Strand +
 End 1164
 Method AAT/NAP
 End 1164
 Score 264

Seq. No. 6519
 Gene No. 13758
 Start 293
 Name OJ990421_10.9819.C26.o1.tm
 Start 328
 GI none
 Exons 328..375, 329..376, 477..521, 477..521, 478..522, 584..667, 585..668, 750..890, 751..888, 752..901, 754..891

Seq. ID OJ990421_10.9819.C26
 Strand +
 End 1164
 Method TBLASTX:Maize
 End 901
 Score 90

Seq. No. 6519
 Gene No. 13758
 Start 293
 Name OJ990421_10.9819.C26.o1.gs
 Start 329
 GI none
 Exons 329..375, 480..519, 603..665, 753..890

Seq. ID OJ990421_10.9819.C26
 Strand +
 End 1164
 Method GENSCAN
 End 890
 Score .71

Seq. No. 6519
 Gene No. 13758
 Start 293
 Name OJ990421_10.9819.C26.o1.ts
 Start 329
 GI none

Seq. ID OJ990421_10.9819.C26
 Strand +
 End 1164
 Method TBLASTX:Soybean
 End 887
 Score 65

Exons 329..376, 477..521, 478..522, 584..667, 585..668, 750..887, 752..886

Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.ol.tc	Method	TBLASTX:Cress
Start	329	End	887
GI	none	Score	58
Exons	329..376, 334..375, 477..518, 478..522, 585..668, 605..667, 750..887, 752..883		

Seq. No.	6520	Seq. ID	OJ990421_10.9819.C27
Gene No.	13759	Strand	+
Start	413	End	484
Name	OJ990421_10.9819.C27.ol.gs	Method	GENSCAN
Start	413	End	484
GI	none	Score	.95
Exons	413..484		

Seq. No.	6521	Seq. ID	OJ990421_10.9819.C28
Gene No.	13760	Strand	+
Start	138	End	641
Name	OJ990421_10.9819.C28.ol.gs	Method	GENSCAN
Start	138	End	641
GI	none	Score	.64
Exons	138..308, 540..641		

Seq. No.	6522	Seq. ID	OJ990421_10.9819.C29
Gene No.	13761	Strand	-
Start	250	End	591
Name	OJ990421_10.9819.C29.ol.gs	Method	GENSCAN
Start	250	End	591
GI	none	Score	.7
Exons	250..338, 441..591		

Seq. No.	6523	Seq. ID	OJ990421_10.9819.C30
Gene No.	13762	Strand	+
Start	598	End	669
Name	OJ990421_10.9819.C30.ol.gs	Method	GENSCAN
Start	598	End	669
GI	none	Score	.92
Exons	598..669		

Seq. No.	6524	Seq. ID	OJ990421_10.9819.C31
Gene No.	13763	Strand	+
Start	293	End	600
Name	OJ990421_10.9819.C31.ol.gs	Method	GENSCAN
Start	293	End	600
GI	none	Score	.71
Exons	293..400, 409..600		

Seq. No.	6524	Seq. ID	OJ990421_10.9819.C31
Gene No.	13764	Strand	-
Start	208	End	373
Name	OJ990421_10.9819.C31.ol.gp	Method	AAT/GAP
Start	208	End	373

GI	44826.1.R1084	Score	300
Exons	208..373		
GI Descrip.	'2117355/pir S51590 7.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_(X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	6525	Seq. ID	OJ990421_10.9819.C35
Gene No.	13765	Strand	-
Start	555	End	869
Name	OJ990421_10.9819.C35.o1.gs	Method	GENSCAN
Start	555	End	869
GI	none	Score	.56
Exons	555..869		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13766	Strand	+
Start	1	End	516
Name	OJ990421_10.9819.C36.o1.np	Method	AAT/NAP
Start	1	End	516
GI	5922620	Score	73
Exons	1..52, 417..516		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13767	Strand	+
Start	2189	End	2694
Name	OJ990421_10.9819.C36.o1.gp	Method	AAT/GAP
Start	2189	End	2694
GI	none	Score	986
Exons	2189..2694		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13768	Strand	+
Start	3436	End	3927
Name	OJ990421_10.9819.C36.o2.gp	Method	AAT/GAP
Start	3436	End	3927
GI	3444993	Score	772
Exons	3436..3927		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13769	Strand	-
Start	425	End	1539
Name	OJ990421_10.9819.C36.o1.gs	Method	GENSCAN
Start	425	End	1539
GI	none	Score	.65
Exons	425..496, 1174..1262, 1365..1539		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13769	Strand	-
Start	425	End	1539
Name	OJ990421_10.9819.C36.o2.np	Method	AAT/NAP
Start	656	End	733

GI 6630699 Score: 72
 Exons 656..733
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
 [Oryza sativa]

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o3.np Method AAT/NAP
 Start 1666 End 5595
 GI 4263787 Score 301
 Exons 1666..1712, 4214..4313, 4396..4478, 5100..5193, 5473..5595
 GI Descrip. (AC006068) unknown protein [Arabidopsis thaliana]

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o2.gs Method GENSCAN
 Start 2411 End 5193
 GI none Score .73
 Exons 2411..2795, 3302..3394, 3745..4073, 4224..4313, 4396..4478,
 5100..5193

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o1.tm Method TBLASTX:Maize
 Start 3511 End 4443
 GI none Score 43
 Exons 3511..3552, 3512..3550, 3571..3615, 3574..3651, 3716..3769,
 3717..3770, 3718..3924, 3765..3833, 3775..3864, 3808..3912,
 3834..3947, 3886..3978, 3919..3996, 3927..4034, 3933..4013,
 3996..4124, 4002..4121, 4027..4125, 4224..4313, 4225..4314,
 4227..4328, 4376..4441, 4393..4443

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o3.gp Method AAT/GAP
 Start 3891 End 4514
 GI 2800596 Score 890
 Exons 3891..4313, 4396..4514

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o1.tc Method TBLASTX:Cress
 Start 4224 End 5202
 GI none Score 64
 Exons 4224..4313, 4228..4299, 4393..4488, 4394..4477, 5098..5202,
 5102..5182

Seq. No. 6526 Seq. ID OJ990421_10.9819.C36
 Gene No. 13770 Strand -
 Start 1666 End 5595
 Name OJ990421_10.9819.C36.o1.ts Method TBLASTX:Soybean

Start	4224	End	5526
GI	none	Score	67
Exons	4224..4313, 4225..4302, 4376..4492, 4393..4488, 5101..5202, 5105..5188, 5476..5526		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	4227	End	5526
GI	none	Score	61
Exons	4227..4328, 4228..4299, 4344..4475, 4376..4492, 4393..4488, 5098..5202, 5102..5203, 5461..5526		

Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13771	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	778
GI	4263787	Score	155
Exons	1..106, 541..778		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13771	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C37.o1.gs	Method	GENSCAN
Start	545	End	778
GI	none	Score	.99
Exons	545..778		

Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	536	End	653
GI	none	Score	167
Exons	536..652, 537..653, 545..652		

Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	545	End	676
GI	none	Score	84
Exons	545..658, 545..676, 558..662		

Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.gp	Method	AAT/GAP
Start	782	End	1062
GI	none	Score	542
Exons	782..1062		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13773	Strand	+

Start	1206	End	1832
Name	OJ990421_10.9819.C38.o1.gs	Method	GENSCAN
Start	1206	End	1832
GI	none	Score	.53
Exons	1206..1235, 1473..1832		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o3.gs	Method	GENSCAN
Start	6001	End	16837
GI	none	Score	.67
Exons	6001..6076, 6940..7052, 7619..7737, 7934..8159, 8242..8371, 8780..8932, 9319..9614, 10792..11088, 11171..11338, 11422..11589, 11671..11806, 12060..12157, 13417..13466, 14253..14365, 14545..14608, 14908..14986, 15711..16030, 16099..16429, 16530..16664, 16751..16837		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o1.gp	Method	AAT/GAP
Start	9449	End	10919
GI	44826_1.R1084	Score	956
Exons	9449..9614, 10475..10696, 10792..10919		
GI Descrip.	'2117355 pir S51590 7.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_(X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o1.np	Method	AAT/NAP
Start	9576	End	14609
GI	266567	Score	1450
Exons	9576..9629, 10475..10696, 10792..11088, 11171..11338, 11422..11589, 11671..11751, 11899..11965, 12060..12157, 13104..13176, 13259..13329, 13417..13466, 14253..14365, 14560..14609		
GI Descrip.	MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II) gi 421956 pir S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato gi 21493 emb CAA46990 (X66284) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o2.gp	Method	AAT/GAP
Start	10921	End	12195
GI	661_1.R1084	Score	1377
Exons	10921..11088, 11171..11338, 11422..11589, 11671..11751, 11899..11965, 12060..12195		
GI Descrip.	'266567/sp P29677 MPPA_SOLTU 4.0e-96 MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II)		

>gi_421956_pir_S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato
>gi_21493_emb_CAA46990_ (X66284) mitochondrial processing peptidase [Solanum tuberosum]'

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o3.gp	Method	AAT/GAP
Start	13140	End	14831
GI	4632_1.R1084	Score	1002
Exons	13140..13176, 13259..13329, 13417..13466, 14253..14365, 14560..14831		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13775	Strand	+
Start	18598	End	26700
Name	OJ990421_10.9819.C38.o4.gs	Method	GENSCAN
Start	18598	End	26700
GI	none	Score	.73
Exons	18598..18769, 19330..19484, 20555..20839, 21486..21532, 21637..21676, 21760..21822, 21910..22047, 22594..22647, 22882..22950, 23067..23196, 23487..23527, 23685..23909, 24598..24643, 24775..24926, 25063..25258, 26063..26700		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13775	Strand	+
Start	18598	End	26700
Name	OJ990421_10.9819.C38.o2.np	Method	AAT/NAP
Start	21450	End	25260
GI	4539423	Score	1332
Exons	21450..21588, 21636..21676, 21760..21822, 21910..22051, 22313..22512, 22594..22647, 22882..22950, 23067..23196, 23487..23527, 23685..23909, 24598..24643, 24775..24926, 25063..25260		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13776	Strand	-
Start	2249	End	3290
Name	OJ990421_10.9819.C38.o2.gs	Method	GENSCAN
Start	2249	End	3290
GI	none	Score	.48
Exons	2249..2354, 2523..2631, 3134..3290		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o6.tc	Method	TBLASTX:Cress
Start	7784	End	8048
GI	none	Score	104
Exons	7784..7846, 7785..7850, 7895..8008, 7899..8009, 7983..8048		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tc	Method	TBLASTX:Cress
Start	8185	End	8388
GI	none	Score	306
Exons	8185..8388, 8193..8381		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.tm	Method	TBLASTX:Maize
Start	8187	End	8548
GI	none	Score	277
Exons	8187..8378, 8188..8388, 8503..8544, 8504..8548		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.ts	Method	TBLASTX:Soybean
Start	8206	End	8548
GI	none	Score	240
Exons	8206..8394, 8208..8384, 8485..8547, 8489..8548		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	10439	End	14612
GI	none	Score	253
Exons	10439..10693, 10469..10678, 10494..10682, 10507..10692, 10791..11087, 10792..11091, 10795..11088, 11167..11340, 11168..11347, 11168..11341, 11187..11342, 11388..11618, 11416..11586, 11426..11587, 11670..11744, 11674..11760, 11675..11785, 11675..11764, 11895..11966, 11897..11968, 11897..11965, 12061..12183, 12062..12157, 13103..13174, 13104..13169, 13106..13180, 13249..13323, 13257..13328, 13258..13329, 13420..13467, 13420..13470, 14236..14364, 14241..14369, 14250..14369, 14559..14612		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	10475	End	11347
GI	none	Score	121
Exons	10475..10513, 10484..10693, 10627..10689, 10788..11075, 10792..11091, 10794..11084, 10798..11088, 11168..11347, 11177..11347		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	10484	End	12139
GI	none	Score	75
Exons	10484..10582, 10522..10692, 10622..10693, 10791..11000,		

10792..11049, 10804..11049, 10824..11057, 11050..11091,
 11167..11340, 11168..11347, 11404..11577, 11416..11586,
 11421..11618, 11671..11760, 11682..11759, 11895..11966,
 12062..12139

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	11168	End	11571
GI	none	Score	183
Exons	11168..11347, 11424..11564, 11425..11571		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	20344	End	23101
GI	none	Score	40
Exons	20344..20439, 20345..20374, 20480..20638, 20624..20839, 20638..20838, 21485..21532, 21486..21533, 21487..21534, 21634..21678, 21634..21678, 21635..21679, 21741..21824, 21742..21825, 21907..22047, 21909..22058, 22347..22514, 22351..22530, 22354..22524, 22590..22652, 22593..22652, 22594..22653, 22876..22950, 22880..22948, 23063..23101, 23065..23094		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	20744	End	23920
GI	none	Score	97
Exons	20744..20839, 21486..21533, 21634..21678, 21635..21679, 21741..21824, 21742..21825, 21907..22044, 21909..22043, 22356..22514, 22357..22524, 22396..22530, 22590..22640, 22593..22631, 22594..22653, 22876..22956, 23057..23197, 23066..23197, 23067..23228, 23483..23527, 23489..23533, 23491..23538, 23684..23911, 23685..23909, 23777..23920		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tc	Method	TBLASTX:Cress
Start	20765	End	22044
GI	none	Score	91
Exons	20765..20839, 21486..21533, 21491..21532, 21634..21675, 21635..21679, 21742..21825, 21762..21824, 21907..22044, 21909..22040		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.tc	Method	TBLASTX:Cress
Start	22345	End	22929
GI	none	Score	67
Exons	22345..22530, 22356..22514, 22357..22524, 22590..22658,		

22593..22652, 22594..22653, 22876..22929

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tw	Method	TBLASTX:Wheat
Start	22900	End	23855
GI	none	Score	81
Exons	22900..22956, 23066..23176, 23067..23171, 23483..23527, 23485..23529, 23675..23815, 23685..23855, 23685..23831		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tm	Method	TBLASTX:Maize
Start	23101	End	25289
GI	none	Score	153
Exons	23101..23196, 23103..23228, 23103..23198, 23459..23527, 23485..23529, 23488..23535, 23683..23778, 23685..23909, 23685..23909, 23771..23914, 24586..24642, 24595..24642, 24597..24644, 24772..24924, 24773..24934, 24774..24938, 25062..25163, 25063..25200, 25064..25213, 25249..25278, 25250..25288, 25251..25289		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o5.tc	Method	TBLASTX:Cress
Start	23675	End	23876
GI	none	Score	215
Exons	23675..23815, 23685..23876		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	24773	End	24919
GI	none	Score	248
Exons	24773..24919, 24774..24917, 24781..24918		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.ts	Method	TBLASTX:Soybean
Start	24773	End	25179
GI	none	Score	93
Exons	24773..24874, 24773..24877, 24774..24878, 24878..24922, 24879..24929, 25066..25179, 25080..25163, 25087..25179		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o5.gs	Method	GENSCAN
Start	26938	End	27475
GI	none	Score	.82
Exons	26938..27151, 27438..27475		

Seq. No.	6529	Seq. ID	OJ990421_10.9819.C39
Gene No.	13778	Strand	-
Start	372	End	487
Name	OJ990421_10.9819.C39.o1.gs	Method	GENSCAN
Start	372	End	487
GI	none	Score	.51
Exons	372..487		

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.gp	Method	AAT/GAP
Start	76	End	567
GI	none	Score	890
Exons	76..567		

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	102	End	570
GI	none	Score	63
Exons	102..170, 144..203, 150..212, 167..205, 268..378, 270..368, 270..380, 417..569, 430..570, 445..570		

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	269	End	582
GI	none	Score	56
Exons	269..349, 270..347, 270..350, 345..371, 346..372, 360..482, 400..489, 480..569, 484..582		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13780	Strand	+
Start	571	End	1139
Name	OJ990421_10.9819.C42.o2.gp	Method	AAT/GAP
Start	571	End	1139
GI	35014_1.R1084	Score	903
Exons	571..1139		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13781	Strand	-
Start	80	End	596
Name	OJ990421_10.9819.C42.o1.gp	Method	AAT/GAP
Start	80	End	596
GI	none	Score	995
Exons	80..596		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13781	Strand	-
Start	80	End	596
Name	OJ990421_10.9819.C42.o1.gs	Method	GENSCAN
Start	228	End	309

GI	none	Score	.45
Exons	228..309		
Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	80	End	529
GI	none	Score	199
Exons	80..214, 81..185, 82..201, 242..361, 253..366, 263..361, 395..421, 419..481, 426..464, 428..487, 461..529		
Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	80	End	362
GI	none	Score	122
Exons	80..151, 81..149, 82..150, 136..258, 136..231, 149..271, 153..248, 237..275, 259..309, 281..361, 282..362, 284..361		
Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.np	Method	AAT/NAP
Start	975	End	1139
GI	3643596	Score	121
Exons	975..1139		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	4539423	Score	399
Exons	1..225, 307..360, 595..663, 780..978, 1155..1199		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		
Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	93	End	814
GI	none	Score	242
Exons	93..137, 94..237, 94..243, 303..365, 306..365, 307..366, 589..663, 593..661, 779..814, 780..809		
Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.tc	Method	TBLASTX:Cress
Start	94	End	642
GI	none	Score	196
Exons	94..237, 112..243, 303..371, 306..365, 307..366, 589..642		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.ol.ts	Method	TBLASTX:Soybean
Start	94	End	941
GI	none	Score	201
Exons	94..237, 109..243, 303..353, 779..910, 780..941, 780..911		307..366, 589..669, 770..904,

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.ol.gs	Method	GENSCAN
Start	106	End	744
GI	none	Score	.9
Exons	106..225, 307..360, 595..744		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.ol.np	Method	AAT/NAP
Start	1	End	784
GI	4263787	Score	160
Exons	1..257, 340..422, 752..784		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.ol.gp	Method	AAT/GAP
Start	82	End	457
GI	2800596	Score	372
Exons	82..257, 340..457		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.ol.tm	Method	TBLASTX:Maize
Start	126	End	413
GI	none	Score	146
Exons	126..272, 145..258, 170..271, 320..409, 337..411, 345..413		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.ol.gs	Method	GENSCAN
Start	168	End	422
GI	none	Score	.82
Exons	168..257, 340..422		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.ol.tc	Method	TBLASTX:Cress
Start	168	End	432
GI	none	Score	64
Exons	168..257, 172..243, 337..432, 338..421		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	168	End	436
GI	none	Score	67
Exons	168..257, 169..246, 320..436, 337..432		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	171	End	436
GI	none	Score	61
Exons	171..272, 172..243, 288..419, 320..436, 337..432		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	4263787	Score	352
Exons	1..37, 246..343, 623..749, 1129..1510		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.gs	Method	GENSCAN
Start	250	End	1635
GI	none	Score	.86
Exons	250..343, 623..745, 1268..1501, 1582..1635		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o2.ts	Method	TBLASTX:Soybean
Start	251	End	759
GI	none	Score	70
Exons	251..352, 255..338, 626..748, 627..743, 628..759		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	611	End	1384
GI	none	Score	192
Exons	611..748, 621..764, 624..743, 1259..1384, 1268..1375		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	1268	End	1390
GI	none	Score	88
Exons	1268..1390, 1281..1367		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13786	Strand	-
Start	1	End	401
Name	OJ990421_10.9819.C46.o1.np	Method	AAT/NAP
Start	1	End	401
GI	4539423	Score	196
Exons	1..201, 359..401		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	82	End	403
GI	none	Score	118
Exons	82..201, 83..211, 357..401, 359..403		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	82	End	403
GI	none	Score	119
Exons	82..201, 83..211, 357..401, 359..403		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	82	End	427
GI	none	Score	79
Exons	82..201, 82..201, 83..202, 348..395, 353..397, 357..401, 359..427		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tc	Method	TBLASTX:Cress
Start	92	End	427
GI	none	Score	107
Exons	92..202, 94..201, 357..401, 359..427		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.gs	Method	GENSCAN
Start	359	End	399
GI	none	Score	.42
Exons	359..399		

Seq. No.	6536	Seq. ID	OJ990421_10.9819.C47
Gene No.	13788	Strand	-
Start	43	End	468
Name	OJ990421_10.9819.C47.o1.gs	Method	GENSCAN
Start	43	End	468

GI	none	Score	.52
Exons	43..76, 266..468		
Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	495
GI	2688822	Score	148
Exons	1..158, 295..495		
GI Descrip.	(U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]		

Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	89	End	382
GI	none	Score	128
Exons	89..166, 90..170, 294..380, 295..381, 296..382		

Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.gs	Method	GENSCAN
Start	96	End	490
GI	none	Score	.69
Exons	96..158, 295..490		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.gp	Method	AAT/GAP
Start	88	End	1360
GI	4632_1.R1084	Score	352
Exons	88..154, 349..463, 1272..1360		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.np	Method	AAT/NAP
Start	105	End	1360
GI	2117355	Score	138
Exons	105..154, 349..463, 1271..1360		
GI Descrip.	mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato gi 587562 emb CAA56520 (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.gs	Method	GENSCAN
Start	349	End	1336
GI	none	Score	.81

Exons 349..478, 1271..1336

Seq. No.	6539	Seq. ID	OJ990421_10.9819.C51
Gene No.	13791	Strand	-
Start	282	End	344
Name	OJ990421_10.9819.C51.ol.gs	Method	GENSCAN
Start	282	End	344
GI	none	Score	.96
Exons	282..344		

Seq. No.	6540	Seq. ID	OJ990421_10.9819.C53
Gene No.	13792	Strand	-
Start	335	End	713
Name	OJ990421_10.9819.C53.ol.tm	Method	TBLASTX:Maize
Start	135	End	415
GI	none	Score	134
Exons	135..242, 143..244, 143..244, 314..415, 320..367, 322..408		

Seq. No.	6540	Seq. ID	OJ990421_10.9819.C53
Gene No.	13792	Strand	-
Start	335	End	713
Name	OJ990421_10.9819.C53.ol.np	Method	AAT/NAP
Start	335	End	713
GI	3643597	Score	88
Exons	335..713		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6541	Seq. ID	OJ990421_10.9819.C56
Gene No.	13793	Strand	-
Start	1	End	734
Name	OJ990421_10.9819.C56.ol.np	Method	AAT/NAP
Start	1	End	734
GI	4539423	Score	57
Exons	1..98, 184..389, 543..608, 655..734		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C58.ol.np	Method	AAT/NAP
Start	1	End	778
GI	4539423	Score	164
Exons	1..186, 532..778		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C58.ol.gs	Method	GENSCAN
Start	119	End	187
GI	none	Score	.83
Exons	119..187		

Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-

Start	1	End	778
Name	OJ990421_10.9819.C58.ol.tm	Method	TBLASTX:Maize
Start	119	End	748
GI	none	Score	94
Exons	119..193, 121..186, 568..741, 591..743, 630..743, 635..748		
Seq. No.	6543	Seq. ID	OJ990421_10.9819.C59
Gene No.	13795	Strand	-
Start	340	End	540
Name	OJ990421_10.9819.C59.ol.gs	Method	GENSCAN
Start	340	End	540
GI	none	Score	.4
Exons	340..540		
Seq. No.	6544	Seq. ID	OJ990421_10.9819.C60
Gene No.	13796	Strand	-
Start	404	End	577
Name	OJ990421_10.9819.C60.ol.gs	Method	GENSCAN
Start	404	End	577
GI	none	Score	.79
Exons	404..577		
Seq. No.	6545	Seq. ID	OJ990421_10.9819.C61
Gene No.	13797	Strand	+
Start	299	End	380
Name	OJ990421_10.9819.C61.ol.gs	Method	GENSCAN
Start	299	End	380
GI	none	Score	.83
Exons	299..380		
Seq. No.	6546	Seq. ID	OJ990421_10.9819.C62
Gene No.	13798	Strand	+
Start	261	End	425
Name	OJ990421_10.9819.C62.ol.gs	Method	GENSCAN
Start	261	End	425
GI	none	Score	.83
Exons	261..425		
Seq. No.	6547	Seq. ID	OJ990401_12.9819.C1
Gene No.	13799	Strand	-
Start	38	End	259
Name	OJ990401_12.9819.C1.ol.gs	Method	GENSCAN
Start	38	End	259
GI	none	Score	.82
Exons	38..259		
Seq. No.	6548	Seq. ID	OJ990401_12.9819.C2
Gene No.	13800	Strand	+
Start	332	End	562
Name	OJ990401_12.9819.C2.ol.np	Method	AAT/NAP
Start	332	End	534
GI	4680186	Score	222
Exons	332..534		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6548	Seq. ID	OJ990401_12.9819.C2
Gene No.	13800	Strand	+

Start 332
 Name OJ990401_12.9819.C2.o1.gs
 Start 423
 GI none
 Exons 423..562

End 562
 Method GENSCAN
 End 562
 Score .52

Seq. No. 6548
 Gene No. 13801
 Start 78
 Name OJ990401_12.9819.C2.o1.gp
 Start 78
 GI uC-osflcyp033a04b1
 Exons 78..463
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. ID OJ990401_12.9819.C2
 Strand -
 End 463
 Method AAT/GAP
 End 463
 Score 675

Seq. No. 6549
 Gene No. 13802
 Start 563
 Name OJ990401_12.9819.C3.o1.gp
 Start 563
 GI 5816516
 Exons 563..740
 GI Descrip. 6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990401_12.9819.C3
 Strand -
 End 740
 Method AAT/GAP
 End 740
 Score 197

Seq. No. 6550
 Gene No. 13803
 Start 833
 Name OJ990401_12.9819.C4.o1.gs
 Start 833
 GI none
 Exons 833..991, 996..1019

Seq. ID OJ990401_12.9819.C4
 Strand -
 End 1019
 Method GENSCAN
 End 1019
 Score .44

Seq. No. 6551
 Gene No. 13804
 Start 587
 Name OJ990401_12.9819.C6.o1.gs
 Start 587
 GI none
 Exons 587..802, 1379..1477

Seq. ID OJ990401_12.9819.C6
 Strand +
 End 1682
 Method GENSCAN
 End 1477
 Score .79

Seq. No. 6551
 Gene No. 13804
 Start 587
 Name OJ990401_12.9819.C6.o1.gp
 Start 1114
 GI 4879016
 Exons 1114..1682
 GI Descrip. 6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence

Seq. ID OJ990401_12.9819.C6
 Strand +
 End 1682
 Method AAT/GAP
 End 1682
 Score 832

Seq. No. 6552
 Gene No. 13805
 Start 1
 Name OJ990401_12.9819.C7.o1.gp

Seq. ID OJ990401_12.9819.C7
 Strand +
 End 3135
 Method AAT/GAP

Start	1	End	3135
GI	342 1.R1084	Score	939
Exons	1..559, 3116..3135		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	2820
GI	6742729	Score	794
Exons	1..611, 2746..2820		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o2.gp	Method	AAT/GAP
Start	1	End	559
GI	342 1.R1084	Score	941
Exons	1..559		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o2.np	Method	AAT/NAP
Start	1695	End	1780
GI	5852084	Score	76
Exons	1695..1780		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13806	Strand	+
Start	3368	End	3798
Name	OJ990401_12.9819.C7.o3.np	Method	AAT/NAP
Start	3368	End	3798
GI	6539570	Score	84
Exons	3368..3579, 3725..3798		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13807	Strand	+
Start	5500	End	8605
Name	OJ990401_12.9819.C7.o5.np	Method	AAT/NAP
Start	5500	End	8605
GI	4417306	Score	266
Exons	5500..6124, 6194..6391, 6526..6665, 6792..6923, 6963..7119, 7192..7310, 8560..8605		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13807	Strand	+
Start	5500	End	8605

Name	OJ990401_12.9819.C7.o6.np	Method	AAT/NAP
Start	6960	End	7672
GI	2522230	Score	327
Exons	6960..7672		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13808	Strand	-
Start	844	End	988
Name	OJ990401_12.9819.C7.o3.gp	Method	AAT/GAP
Start	844	End	988
GI	21474_1.R1084	Score	238
Exons	844..988		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	3	End	430
GI	none	Score	115
Exons	3..119, 5..112, 123..236, 128..220, 201..425, 221..430, 224..430		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	11	End	464
GI	none	Score	197
Exons	11..259, 15..260, 270..464		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	294	End	536
GI	none	Score	199
Exons	294..536		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o4.np	Method	AAT/NAP
Start	3433	End	6366
GI	5922620	Score	66
Exons	3433..3499, 4599..5020, 6306..6366		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366

Name	OJ990401_12.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	5769	End	6197
GI	none	Score	90
Exons	5769..5885, 5901..6116, 6090..6197		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	5916	End	6224
GI	none	Score	188
Exons	5916..6224		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13810	Strand	
Start	6999	End	7370
Name	OJ990401_12.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	6999	End	7370
GI	none	Score	101
Exons	6999..7142, 7185..7370, 7256..7369		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13811	Strand	+
Start	7015	End	7720
Name	OJ990401_12.9819.C8.o3.np	Method	AAT/NAP
Start	7015	End	7720
GI	6539570	Score	82
Exons	7015..7215, 7644..7720		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.gs	Method	GENSCAN
Start	54	End	7697
GI	none	Score	.52
Exons	54..398, 620..733, 2999..3093, 4862..4996, 5853..5883, 6269..6409, 6603..6707, 7089..7204, 7601..7697		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.np	Method	AAT/NAP
Start	1111	End	2644
GI	99922	Score	144
Exons	1111..1305, 2367..2644		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o2.np	Method	AAT/NAP
Start	3382	End	6152
GI	5922620	Score	47
Exons	3382..3423, 4831..4972, 6106..6152		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]
gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.gp	Method	AAT/GAP
Start	3432	End	4000
GI	4879016	Score	808
Exons	3432..4000		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13813	Strand	+
Start	1049	End	1163
Name	OJ990401_12.9819.C9.o1.gp	Method	AAT/GAP
Start	1049	End	1163
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	1049..1163		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13814	Strand	-
Start	958	End	4303
Name	OJ990401_12.9819.C9.o1.np	Method	AAT/NAP
Start	958	End	4303
GI	4680204	Score	410
Exons	958..1012, 3146..3550, 3646..4303		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13814	Strand	-
Start	958	End	4303
Name	OJ990401_12.9819.C9.o2.np	Method	AAT/NAP
Start	3139	End	4303
GI	4680204	Score	404
Exons	3139..3550, 3646..4303		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6555	Seq. ID	OJ990401_12.9819.C10
Gene No.	13815	Strand	+
Start	110	End	373
Name	OJ990401_12.9819.C10.o1.gs	Method	GENSCAN
Start	110	End	373
GI	none	Score	.8
Exons	110..373		

Seq. No.	6555	Seq. ID	OJ990401_12.9819.C10
Gene No.	13816	Strand	-
Start	1186	End	1574
Name	OJ990401_12.9819.C10.o2.gs	Method	GENSCAN

Start	1186	End	1574
GI	none	Score	.55
Exons	1186..1291, 1495..1574		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.gp	Method	AAT/GAP
Start	254	End	4174
GI	342_1.R1084	Score	6109
Exons	254..4174		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.gs	Method	GENSCAN
Start	850	End	4178
GI	none	Score	.47
Exons	850..1471, 1822..3213, 3361..4178		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.np	Method	AAT/NAP
Start	871	End	5502
GI	4680203	Score	3135
Exons	871..1844, 2121..2351, 2505..4178, 5428..5502		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	925	End	2243
GI	none	Score	106
Exons	925..1017, 1006..1086, 1093..1209, 1093..1212, 1115..1237, 1157..1282, 1219..1278, 1285..1326, 1285..1329, 1290..1331, 1324..1446, 1340..1450, 1355..1450, 1440..1652, 1452..2237, 1459..2238, 1964..2239, 2058..2243		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1503	End	1950
GI	none	Score	194
Exons	1503..1946, 1503..1946, 1507..1950		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1881	End	2195
GI	none	Score	142
Exons	1881..2195, 1909..2184		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	2244	End	2649
GI	none	Score	72
Exons	2244..2324, 2245..2325, 2250..2330, 2358..2600, 2359..2577, 2586..2648, 2599..2649		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2754	End	3212
GI	none	Score	100
Exons	2754..2945, 2958..3212, 2958..3200		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	2788	End	3246
GI	none	Score	81
Exons	2788..2892, 2791..2997, 2793..2996, 2793..3017, 2995..3087, 2997..3095, 2998..3090, 3081..3203, 3099..3203, 3103..3204, 3201..3245, 3205..3246		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	3045	End	3393
GI	none	Score	61
Exons	3045..3386, 3064..3192, 3241..3393		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	3126	End	3554
GI	none	Score	110
Exons	3126..3422, 3139..3390, 3417..3479, 3480..3554		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	3476	End	3827
GI	none	Score	126
Exons	3476..3727, 3486..3728, 3486..3737, 3487..3729, 3569..3736, 3720..3827		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.gp	Method	AAT/GAP

Start	4039	End	4633
GI	2310235	Score	299
Exons	4039..4178, 4596..4633		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13818	Strand	+
Start	3538	End	5306
Name	OJ990401_12.9819.C12.o1.np	Method	AAT/NAP
Start	3538	End	5306
GI	6907087	Score	982
Exons	3538..3914, 3959..4665, 5205..5306		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13819	Strand	+
Start	5769	End	6153
Name	OJ990401_12.9819.C12.o1.gp	Method	AAT/GAP
Start	5769	End	6153
GI	uC-osflcyp033a04b1	Score	682
Exons	5769..6153		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13820	Strand	-
Start	5698	End	7651
Name	OJ990401_12.9819.C12.o2.np	Method	AAT/NAP
Start	5698	End	7651
GI	4680186	Score	222
Exons	5698..5902, 7631..7651		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13821	Strand	-
Start	1	End	366
Name	OJ990401_12.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	366
GI	5103193	Score	625
Exons	1..366		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi 5738084 gb AAD50242.1 AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13821	Strand	-
Start	1	End	366
Name	OJ990401_12.9819.C13.o1.gs	Method	GENSCAN
Start	171	End	366
GI	none	Score	.64
Exons	171..366		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13822	Strand	

Start	326	End	492
Name	OJ990401_12.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	326	End	492
GI	none	Score	191
Exons	326..472, 326..445, 328..492, 328..492		

Seq. No.	6559	Seq. ID	OJ990401_12.9819.C14
Gene No.	13823	Strand	+
Start	1	End	1181
Name	OJ990401_12.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6523547	Score	202
Exons	1..694		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	6559	Seq. ID	OJ990401_12.9819.C14
Gene No.	13823	Strand	+
Start	1	End	1181
Name	OJ990401_12.9819.C14.o1.gs	Method	GENSCAN
Start	22	End	1181
GI	none	Score	.63
Exons	22..145, 415..504, 681..847, 1062..1181		

Seq. No.	6560	Seq. ID	OJ990401_12.9819.C15
Gene No.	13824	Strand	+
Start	115	End	186
Name	OJ990401_12.9819.C15.o1.gs	Method	GENSCAN
Start	115	End	186
GI	none	Score	.63
Exons	115..186		

Seq. No.	6560	Seq. ID	OJ990401_12.9819.C15
Gene No.	13825	Strand	+
Start	305	End	453
Name	OJ990401_12.9819.C15.o1.gp	Method	AAT/GAP
Start	305	End	453
GI	uC-osflcyp001c04b2	Score	226
Exons	305..453		
GI Descrip.	'6041757/gb AC011806.1 AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6561	Seq. ID	OJ990401_12.9819.C17
Gene No.	13826	Strand	-
Start	1	End	702
Name	OJ990401_12.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	702
GI	6742729	Score	529
Exons	1..702		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6561	Seq. ID	OJ990401_12.9819.C17
Gene No.	13826	Strand	-
Start	1	End	702
Name	OJ990401_12.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	134	End	520

GI	none	Score	95
Exons	134..244, 145..267, 146..268, 301..516, 302..520		
Seq. No.	6562	Seq. ID	OJ990401_12.9819.C18
Gene No.	13827	Strand	-
Start	256	End	553
Name	OJ990401_12.9819.C18.o1.gp	Method	AAT/GAP
Start	256	End	553
GI	5816516	Score	371
Exons	256..553		
GI Descrip.	6006895/gb AAF00670.1 AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6563	Seq. ID	OJ990401_12.9819.C19
Gene No.	13828	Strand	+
Start	535	End	715
Name	OJ990401_12.9819.C19.o1.gs	Method	GENSCAN
Start	535	End	715
GI	none	Score	.84
Exons	535..615, 638..715		

Seq. No.	6564	Seq. ID	OJ990401_12.9819.C21
Gene No.	13829	Strand	-
Start	40	End	506
Name	OJ990401_12.9819.C21.o1.np	Method	AAT/NAP
Start	40	End	506
GI	5852182	Score	395
Exons	40..506		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6564	Seq. ID	OJ990401_12.9819.C21
Gene No.	13829	Strand	-
Start	40	End	506
Name	OJ990401_12.9819.C21.o1.gs	Method	GENSCAN
Start	86	End	132
GI	none	Score	.5
Exons	86..132		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13830	Strand	-
Start	183	End	275
Name	OJ990401_12.9819.C22.o1.gs	Method	GENSCAN
Start	183	End	275
GI	none	Score	.67
Exons	183..275		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13831	Strand	-
Start	341	End	804
Name	OJ990401_12.9819.C22.o1.np	Method	AAT/NAP
Start	341	End	729
GI	2462640	Score	434
Exons	341..729		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13831	Strand	-

Start	341	End	804
Name	OJ990401_12.9819.C22.ol.tm	Method	TBLASTX:Maize
Start	398	End	804
GI	none	Score	142
Exons	398..532, 592..804		

Seq. No.	6566	Seq. ID	OJ990401_12.9819.C23
Gene No.	13832	Strand	+
Start	126	End	891
Name	OJ990401_12.9819.C23.o2.np	Method	AAT/NAP
Start	126	End	891
GI	626375	Score	103
Exons	126..214, 644..891		
GI Descrip.	probable membrane protein YIL100c-a - yeast (Saccharomyces cerevisiae) gi 558706 emb CAA86280 (Z38125) orf, len: 112, CAI: 0.07, overlapped by orf 36949..36826 qv [Saccharomyces cerevisiae]		

Seq. No.	6566	Seq. ID	OJ990401_12.9819.C23
Gene No.	13833	Strand	+
Start	847	End	966
Name	OJ990401_12.9819.C23.ol.gp	Method	AAT/GAP
Start	847	End	966
GI	LIB3477-003-P1-K1-E9	Score	180
Exons	847..966		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.ol.np	Method	AAT/NAP
Start	1	End	809
GI	4680183	Score	931
Exons	1..809		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.ol.tw	Method	TBLASTX:Wheat
Start	81	End	494
GI	none	Score	46
Exons	81..302, 327..494		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.ol.gs	Method	GENSCAN
Start	107	End	739
GI	none	Score	.51
Exons	107..739		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13835	Strand	+
Start	1	End	3682

Name	OJ990401_12.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	3682
GI	4522005	Score	1361
Exons	1..2351, 2406..3411, 3444..3682		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13835	Strand	+
Start	1	End	3682
Name	OJ990401_12.9819.C26.o1.gs	Method	GENSCAN
Start	714	End	3514
GI	none	Score	.55
Exons	714..1022, 1100..1271, 2031..2144, 2292..2960, 3174..3514		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13836	Strand	+
Start	9365	End	9454
Name	OJ990401_12.9819.C26.o4.np	Method	AAT/NAP
Start	9365	End	9454
GI	4680183	Score	142
Exons	9365..9454		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o2.gs	Method	GENSCAN
Start	4300	End	9332
GI	none	Score	.56
Exons	4300..4405, 4923..5137, 5249..5573, 6998..7090, 7935..8142, 9119..9332		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o2.np	Method	AAT/NAP
Start	7156	End	7544
GI	2462640	Score	434
Exons	7156..7544		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o3.np	Method	AAT/NAP
Start	7270	End	9332
GI	6721561	Score	84
Exons	7270..7342, 9246..9332		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-

Start	4300	End	9332
Name	OJ990401_12.9819.C26.o1.gp	Method	AAT/GAP
Start	8646	End	8738
GI	uC-osflcyp088b12b1	Score	142
Exons	8646..8738		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o4.tw	Method	TBLASTX:Wheat
Start	455	End	8473
GI	none	Score	56
Exons	455..556, 8204..8260, 8300..8473, 8301..8444		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	1398	End	7508
GI	none	Score	102
Exons	1398..1559, 1566..1832, 1890..1967, 5297..5578, 7144..7341, 7338..7508		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	1442	End	7296
GI	none	Score	253
Exons	1442..1663, 1443..1661, 1453..1674, 1501..1662, 1649..1771, 1649..1822, 1656..1838, 7144..7296		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	2105	End	5356
GI	none	Score	108
Exons	2105..2305, 2200..2253, 2309..2524, 2332..2451, 4895..5032, 4968..5033, 5108..5221, 5121..5207, 5219..5356		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o2.tw	Method	TBLASTX:Wheat
Start	2110	End	5219
GI	none	Score	351
Exons	2110..2496, 2132..2497, 4928..5086, 4944..5030, 5084..5215, 5133..5219		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	2375	End	5285

GI none Score 77
 Exons 2375..2491, 4802..4897, 4913..5125, 4923..5129, 5132..5284, 5133..5285

Seq. No. 6568 Seq. ID OJ990401_12.9819.C26
 Gene No. 13838 Strand -
 Start 9832 End 9951
 Name OJ990401_12.9819.C26.o3.tw Method TBLASTX:Wheat
 Start 2978 End 3382
 GI none Score 256
 Exons 2978..3382, 2983..3063

Seq. No. 6568 Seq. ID OJ990401_12.9819.C26
 Gene No. 13838 Strand -
 Start 9832 End 9951
 Name OJ990401_12.9819.C26.o2.tm Method TBLASTX:Maize
 Start 4150 End 4473
 GI none Score 76
 Exons 4150..4473, 4372..4473

Seq. No. 6568 Seq. ID OJ990401_12.9819.C26
 Gene No. 13838 Strand -
 Start 9832 End 9951
 Name OJ990401_12.9819.C26.o3.gs Method GENSCAN
 Start 9832 End 9951
 GI none Score .99
 Exons 9832..9951

Seq. No. 6569 Seq. ID OJ990401_12.9819.C27
 Gene No. 13839 Strand +
 Start 309 End 719
 Name OJ990401_12.9819.C27.o1.gs Method GENSCAN
 Start 309 End 719
 GI none Score .43
 Exons 309..427, 698..719

Seq. No. 6569 Seq. ID OJ990401_12.9819.C27
 Gene No. 13840 Strand -
 Start 2099 End 4342
 Name OJ990401_12.9819.C27.o2.gs Method GENSCAN
 Start 2099 End 4342
 GI none Score .76
 Exons 2099..2736, 3115..3271, 3313..3419, 3909..4069, 4218..4342

Seq. No. 6570 Seq. ID OJ990401_12.9819.C28
 Gene No. 13841 Strand +
 Start 1 End 2668
 Name OJ990401_12.9819.C28.o1.np Method AAT/NAP
 Start 1 End 2668
 GI 6742729 Score 492
 Exons 1..30, 553..1716, 2643..2668
 GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 6570 Seq. ID OJ990401_12.9819.C28
 Gene No. 13842 Strand -
 Start 108 End 400
 Name OJ990401_12.9819.C28.o1.gs Method GENSCAN

Start 108
 GI none
 Exons 108..400

End 400
 Score .43

Seq. No. 6570
 Gene No. 13843
 Start 1182
 Name OJ990401_12.9819.C28.o1.tw
 Start 1182
 GI none
 Exons 1182..1283, 1183..1509, 1324..1497, 1326..1538, 1551..1607, 1552..1608

Seq. ID OJ990401_12.9819.C28
 Strand
 End 1608
 Method TBLASTX:Wheat
 End 1608
 Score 257

Seq. No. 6570
 Gene No. 13843
 Start 1182
 Name OJ990401_12.9819.C28.o1.tm
 Start 1188
 GI none
 Exons 1188..1442, 1234..1461

Seq. ID OJ990401_12.9819.C28
 Strand
 End 1608
 Method TBLASTX:Maize
 End 1461
 Score 189

Seq. No. 6571
 Gene No. 13844
 Start 314
 Name OJ990401_12.9819.C29.o1.tm
 Start 314
 GI none
 Exons 314..430, 324..425, 440..499, 491..709, 494..643, 519..659

Seq. ID OJ990401_12.9819.C29
 Strand
 End 709
 Method TBLASTX:Maize
 End 709
 Score 51

Seq. No. 6571
 Gene No. 13844
 Start 314
 Name OJ990401_12.9819.C29.o1.tw
 Start 371
 GI none
 Exons 371..643, 371..655, 408..665

Seq. ID OJ990401_12.9819.C29
 Strand
 End 709
 Method TBLASTX:Wheat
 End 665
 Score 100

Seq. No. 6572
 Gene No. 13845
 Start 821
 Name OJ990401_12.9819.C30.o1.np
 Start 821
 GI 2583130
 Exons 821..1648
 GI Descrip. (AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]

Seq. ID OJ990401_12.9819.C30
 Strand +
 End 1648
 Method AAT/NAP
 End 1648
 Score 286

Seq. No. 6572
 Gene No. 13846
 Start 1457
 Name OJ990401_12.9819.C30.o2.gs
 Start 1457
 GI none
 Exons 1457..1570

Seq. ID OJ990401_12.9819.C30
 Strand -
 End 1570
 Method GENSCAN
 End 1570
 Score .98

Seq. No. 6573
 Gene No. 13847

Seq. ID OJ990401_12.9819.C31
 Strand +

Start	49	End	754
Name	OJ990401_12.9819.C31.o1.np	Method	AAT/NAP
Start	49	End	703
GI	4140712	Score	977
Exons	49..703		
GI Descrip.	(AF110183) putative integrase [Oryza sativa]		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	100	End	481
GI	none	Score	166
Exons	100..477, 130..477, 131..481		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	188	End	505
GI	none	Score	94
Exons	188..361, 209..361, 362..505, 364..489		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.gs	Method	GENSCAN
Start	254	End	645
GI	none	Score	.41
Exons	254..645		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	274	End	529
GI	none	Score	289
Exons	274..528, 281..529, 401..529		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	288	End	549
GI	none	Score	103
Exons	288..452, 289..549, 290..547		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	487	End	754
GI	none	Score	230
Exons	487..630, 488..754, 488..754		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+

Start	49	End	754
Name	OJ990401_12.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	551	End	754
GI	none	Score	200
Exons	551..754, 551..628, 583..753		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13848	Strand	+
Start	377	End	755
Name	OJ990401_12.9819.C32.o1.gp	Method	AAT/GAP
Start	377	End	755
GI	uC-osflcyp033a04b1	Score	636
Exons	377..755		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13849	Strand	-
Start	1	End	755
Name	OJ990401_12.9819.C32.o2.np	Method	AAT/NAP
Start	1	End	755
GI	5852180	Score	54
Exons	1..95, 608..755		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13849	Strand	-
Start	1	End	755
Name	OJ990401_12.9819.C32.o1.np	Method	AAT/NAP
Start	310	End	755
GI	4680186	Score	205
Exons	310..510, 730..755		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6575	Seq. ID	OJ990401_12.9819.C33
Gene No.	13850	Strand	+
Start	433	End	6897
Name	OJ990401_12.9819.C33.o1.gs	Method	GENSCAN
Start	433	End	6897
GI	none	Score	.72
Exons	433..524, 1041..1157, 2967..3120, 3352..3411, 6097..6187, 6792..6897		

Seq. No.	6576	Seq. ID	OJ990401_12.9819.C34
Gene No.	13851	Strand	+
Start	1	End	4870
Name	OJ990401_12.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	4870
GI	5852180	Score	434
Exons	1..118, 3027..3084, 4063..4181, 4233..4654, 4836..4870		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6576	Seq. ID	OJ990401_12.9819.C34
Gene No.	13852	Strand	-
Start	2933	End	3314
Name	OJ990401_12.9819.C34.o1.gp	Method	AAT/GAP
Start	2933	End	3314

GI uC-osflcyp033a04b1 Score 667
 Exons 2933..3314
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
 DNA, chromosome 1, clone:P0711E10'

Seq. No. 6576 Seq. ID OJ990401_12.9819.C34
 Gene No. 13853 Strand -
 Start 3742 End 4565
 Name OJ990401_12.9819.C34.o2.gs Method GENSCAN
 Start 3742 End 4565
 GI none Score .73
 Exons 3742..3827, 4122..4191, 4387..4565

Seq. No. 6577 Seq. ID OJ990401_12.9819.C35
 Gene No. 13854 Strand +
 Start 8866 End 9179
 Name OJ990401_12.9819.C35.o1.gp Method AAT/GAP
 Start 8866 End 9179
 GI 5816516 Score 365
 Exons 8866..9179
 GI Descrip. 6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153)
 hypothetical protein [Arabidopsis thaliana]

Seq. No. 6577 Seq. ID OJ990401_12.9819.C35
 Gene No. 13855 Strand +
 Start 12235 End 15887
 Name OJ990401_12.9819.C35.o2.gs Method GENSCAN
 Start 12235 End 15887
 GI none Score .49
 Exons 12235..12591, 12737..12987, 12992..13092, 15658..15887

Seq. No. 6577 Seq. ID OJ990401_12.9819.C35
 Gene No. 13856 Strand +
 Start 16098 End 22657
 Name OJ990401_12.9819.C35.o3.gs Method GENSCAN
 Start 16098 End 17049
 GI none Score .73
 Exons 16098..16311, 16796..17049

Seq. No. 6577 Seq. ID OJ990401_12.9819.C35
 Gene No. 13856 Strand +
 Start 16098 End 22657
 Name OJ990401_12.9819.C35.o2.np Method AAT/NAP
 Start 16748 End 22654
 GI 5902444 Score 3838
 Exons 16748..17095, 20095..22654
 GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No. 6577 Seq. ID OJ990401_12.9819.C35
 Gene No. 13856 Strand +
 Start 16098 End 22657
 Name OJ990401_12.9819.C35.o5.gs Method GENSCAN
 Start 19294 End 22657
 GI none Score .43
 Exons 19294..19431, 20265..20459, 20513..20831, 20994..21334,
 21344..21499, 21535..22183, 22236..22657

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13856	Strand	+
Start	16098	End	22657
Name	OJ990401_12.9819.C35.o5.gp	Method	AAT/GAP
Start	19815	End	20089
GI	61605_1.R1084	Score	477
Exons	19815..20089		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13857	Strand	+
Start	22721	End	23129
Name	OJ990401_12.9819.C35.o3.np	Method	AAT/NAP
Start	22721	End	23129
GI	5902445	Score	621
Exons	22721..23129		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	22553
GI	6523547	Score	113
Exons	1..375, 12154..12181, 12799..13168, 19237..19313, 20436..20508, 22522..22553		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	6013	End	15604
GI	none	Score	34
Exons	6013..6033, 6096..6275, 6100..6276, 6113..6280, 6278..6352, 6281..6472, 6316..6354, 6400..6468, 15280..15393, 15497..15604		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o3.gp	Method	AAT/GAP
Start	15471	End	15619
GI	uC-osflcyp001c04b2	Score	226
Exons	15471..15619		
GI Descrip.	'6041757/gb AC011806.1 AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o4.gp	Method	AAT/GAP
Start	19226	End	20092
GI	4107138	Score	1169
Exons	19226..20092		

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o3.tw	Method	TBLASTX:Wheat
Start	21058	End	21451
GI	none	Score	257
Exons	21058..21120, 21059..21451		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o2.tw	Method	TBLASTX:Wheat
Start	22036	End	22423
GI	none	Score	178
Exons	22036..22302, 22179..22316, 22301..22423, 22312..22407		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	-
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	22666	End	23092
GI	none	Score	466
Exons	22666..23070, 22667..23092, 22694..23092		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	-
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	22706	End	23071
GI	none	Score	129
Exons	22706..22930, 22937..23071		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	-
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	22796	End	23113
GI	none	Score	312
Exons	22796..23113, 22837..23103		

Seq. No.	6578	Seq. ID	OJ990401_12.9819.C36
Gene No.	13860	Strand	+
Start	97	End	703
Name	OJ990401_12.9819.C36.o1.gs	Method	GENSCAN
Start	97	End	703
GI	none	Score	.46
Exons	97..703		

Seq. No.	6579	Seq. ID	OJ990401_12.9819.C37
Gene No.	13861	Strand	+
Start	208	End	280
Name	OJ990401_12.9819.C37.o1.gs	Method	GENSCAN
Start	208	End	280
GI	none	Score	.64

Exons 208..280

Seq. No.	6580	Seq. ID	OJ990401_12.9819.C38
Gene No.	13862	Strand	+
Start	208	End	505
Name	OJ990401_12.9819.C38.o2.gp	Method	AAT/GAP
Start	208	End	505
GI	5816516	Score	359
Exons	208..505		
GI Descrip.	6006895/gb AAF00670.1 AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6581	Seq. ID	OJ990301_05.9819.C1
Gene No.	13863	Strand	+
Start	420	End	758
Name	OJ990301_05.9819.C1.o1.gs	Method	GENSCAN
Start	420	End	662
GI	none	Score	.56
Exons	420..662		

Seq. No.	6581	Seq. ID	OJ990301_05.9819.C1
Gene No.	13863	Strand	+
Start	420	End	758
Name	OJ990301_05.9819.C1.o1.np	Method	AAT/NAP
Start	465	End	758
GI	6721559	Score	137
Exons	465..758		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6582	Seq. ID	OJ990301_05.9819.C2
Gene No.	13864	Strand	+
Start	424	End	3029
Name	OJ990301_05.9819.C2.o1.gs	Method	GENSCAN
Start	424	End	3029
GI	none	Score	.47
Exons	424..476, 484..688, 2171..2892, 2960..3029		

Seq. No.	6582	Seq. ID	OJ990301_05.9819.C2
Gene No.	13864	Strand	+
Start	424	End	3029
Name	OJ990301_05.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	2171	End	2629
GI	none	Score	92
Exons	2171..2443, 2438..2629, 2450..2629		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	2256	End	3615
GI	none	Score	116
Exons	2256..2372, 2288..2371, 2289..2372, 3237..3332, 3253..3330, 3357..3422, 3364..3423, 3542..3613, 3561..3614, 3562..3615		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
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Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	2270	End	3665
GI	none	Score	104
Exons	2270..2371, 2286..2372, 2301..2372, 3237..3422, 3241..3426, 3242..3430, 3249..3428, 3558..3626, 3560..3625, 3561..3665		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.np	Method	AAT/NAP
Start	2285	End	4426
GI	4406770	Score	354
Exons	2285..2369, 3238..3423, 3556..3624, 4301..4426		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	2309	End	3623
GI	none	Score	194
Exons	2309..2371, 3237..3422, 3244..3423, 3371..3424, 3555..3623, 3558..3623		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o3.gs	Method	GENSCAN
Start	5811	End	19080
GI	none	Score	.44
Exons	5811..5887, 8576..8717, 9339..9389, 9528..9664, 11029..11110, 11689..11754, 13973..14053, 14184..14231, 15345..15395, 15468..15536, 16734..16844, 18628..18828, 18830..18919, 19003..19080		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o2.np	Method	AAT/NAP
Start	8190	End	8607
GI	81286	Score	64
Exons	8190..8607		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o3.np	Method	AAT/NAP
Start	8556	End	18894
GI	3152596	Score	740
Exons	8556..8711, 9339..9502, 9566..9692, 9950..10127, 11689..11754, 11983..12021, 14184..14228, 15280..15395, 15468..15536, 16734..16970, 18643..18894		
GI Descrip.	(AC002986). YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13867	Strand	+
Start	22337	End	25567
Name	OJ990301_05.9819.C4.o4.np	Method	AAT/NAP
Start	22337	End	25567
GI	6907089	Score	3978
Exons	22337..23598, 23692..25567		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.np	Method	AAT/NAP
Start	429	End	2613
GI	4406770	Score	533
Exons	429..485, 1326..1389, 1505..1837, 1908..2067, 2542..2613		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.gs	Method	GENSCAN
Start	433	End	2009
GI	none	Score	.83
Exons	433..485, 1326..1389, 1505..1837, 1908..2009		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.gp	Method	AAT/GAP
Start	1644	End	2097
GI	58415_1.R1084	Score	699
Exons	1644..1837, 1908..2097		
GI Descrip.	'4406770/gb AAD20081 3.0e-17 (AC006836) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13869	Strand	-
Start	20714	End	21194
Name	OJ990301_05.9819.C4.o4.gs	Method	GENSCAN
Start	20714	End	21194
GI	none	Score	.48
Exons	20714..20838, 21071..21194		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	430	End	1947
GI	none	Score	55
Exons	430..489, 1321..1392, 1324..1401, 1500..1625, 1502..1618, 1607..1801, 1608..1790, 1909..1947, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484

Name	OJ990301_05.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	430	End	1947
GI	none	Score	92
Exons	430..489, 1324..1392, 1325..1387, 1500..1628, 1502..1624, 1607..1804, 1608..1805, 1900..1947, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	436	End	1950
GI	none	Score	79
Exons	436..489, 1321..1392, 1322..1390, 1500..1625, 1502..1624, 1607..1807, 1608..1811, 1918..1950, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	26173	End	26343
GI	none	Score	125
Exons	26173..26343, 26174..26338		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.np	Method	AAT/NAP
Start	26203	End	31484
GI	6498441	Score	5898
Exons	26203..26484, 26578..27975, 28147..28631, 28824..29062, 29237..29371, 29555..29928, 29992..30455, 30786..31484		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	26212	End	26814
GI	none	Score	83
Exons	26212..26337, 26216..26338, 26530..26814, 26531..26809		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	26815	End	27196
GI	none	Score	153
Exons	26815..27195, 26846..27094, 27140..27196		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	27010	End	27333
GI	none	Score	177

Exons 27010..27333, 27023..27304

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	27526	End	27838
GI	none	Score	62
Exons	27526..27786, 27637..27825, 27662..27838		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	27586	End	28152
GI	5666795	Score	68
Exons	27586..27786, 27841..27978, 28054..28152		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	27841	End	28299
GI	none	Score	87
Exons	27841..27990, 27842..27979, 27844..27981, 28037..28210, 28051..28299, 28051..28275		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	28900	End	29271
GI	none	Score	90
Exons	28900..29271, 29111..29254		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	28925	End	29349
GI	none	Score	330
Exons	28925..29344, 28930..29349		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	29023	End	29407
GI	none	Score	206
Exons	29023..29406, 29042..29407		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	29434	End	29790

GI	none	Score	105
Exons	29434..29703, 29434..29790, 29444..29755		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	29458	End	29920
GI	none	Score	401
Exons	29458..29919, 29459..29920		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	29515	End	29880
GI	none	Score	117
Exons	29515..29649, 29656..29880		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	30085	End	30571
GI	none	Score	172
Exons	30085..30570, 30089..30376, 30398..30571		

Seq. No.	6585	Seq. ID	OJ990301_05.9819.C5
Gene No.	13871	Strand	+
Start	213	End	653
Name	OJ990301_05.9819.C5.o1.gs	Method	GENSCAN
Start	213	End	653
GI	none	Score	.59
Exons	213..218, 594..653		

Seq. No.	6586	Seq. ID	OJ990301_05.9819.C7
Gene No.	13872	Strand	+
Start	1	End	382
Name	OJ990301_05.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	382
GI	5803259	Score	320
Exons	1..382		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.np	Method	AAT/NAP
Start	46	End	2510
GI	4406770	Score	297
Exons	46..130, 318..503, 636..704, 1381..1442, 1714..1773, 2451..2510		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.tc	Method	TBLASTX:Cress

Start	317	End	1783
GI	none	Score	70
Exons	317..412, 333..410, 437..502, 444..503, 622..693, 641..694, 642..695, 1709..1783, 1711..1770		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.ol.ts	Method	TBLASTX:Soybean
Start	317	End	1770
GI	none	Score	194
Exons	317..502, 324..503, 451..504, 635..703, 638..703, 1717..1770		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.ol.tm	Method	TBLASTX:Maize
Start	317	End	1770
GI	none	Score	220
Exons	317..502, 321..506, 322..510, 329..508, 638..706, 640..705, 641..745, 1711..1770, 1712..1768		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.ol.gs	Method	GENSCAN
Start	318	End	2397
GI	none	Score	.72
Exons	318..503, 636..704, 1387..1442, 1714..1766, 2251..2397		

Seq. No.	6588	Seq. ID	OJ990301_05.9819.C10
Gene No.	13874	Strand	+
Start	1765	End	6219
Name	OJ990301_05.9819.C10.ol.gs	Method	GENSCAN
Start	1765	End	6219
GI	none	Score	.53
Exons	1765..1954, 2104..2360, 2664..2777, 2856..3053, 3130..3228, 3321..3408, 3524..3622, 3704..3772, 3856..4025, 4104..4538, 4621..4751, 5921..6219		

Seq. No.	6588	Seq. ID	OJ990301_05.9819.C10
Gene No.	13875	Strand	-
Start	1281	End	1410
Name	OJ990301_05.9819.C10.ol.gp	Method	AAT/GAP
Start	1281	End	1410
GI	uC-osflcyp013a06b1	Score	167
Exons	1281..1410		
GI Descrip.	'4538905/emb CAB39642.1 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	6589	Seq. ID	OJ990301_05.9819.C11
Gene No.	13876	Strand	+
Start	1	End	614
Name	OJ990301_05.9819.C11.ol.np	Method	AAT/NAP
Start	1	End	614
GI	4680341	Score	233
Exons	1..614		

GI Descrip. (AF128457) hypothetical protein [Oryza sativa subsp. indica]

Seq. No.	6589	Seq. ID	OJ990301_05.9819.C11
Gene No.	13877	Strand	-
Start	2370	End	3856
Name	OJ990301_05.9819.C11.o2.np	Method	AAT/NAP
Start	2370	End	3856
GI	6721512	Score	83

Exons 2370..2457, 3765..3856
GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13878	Strand	+
Start	326	End	683
Name	OJ990301_05.9819.C12.o1.gs	Method	GENSCAN
Start	326	End	683
GI	none	Score	.63

Exons 326..683

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13879	Strand	+
Start	13386	End	13673
Name	OJ990301_05.9819.C12.o3.gs	Method	GENSCAN
Start	13386	End	13673
GI	none	Score	.96

Exons 13386..13673

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o3.gp	Method	AAT/GAP
Start	16747	End	18232
GI	2796844	Score	275

Exons 16747..16817, 18098..18232

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o5.gs	Method	GENSCAN
Start	16804	End	18496
GI	none	Score	.95

Exons 16804..16817, 18098..18259, 18388..18496

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o2.np	Method	AAT/NAP
Start	18159	End	21541
GI	5091536	Score	71

Exons 18159..18259, 18388..18487, 21470..21541

GI Descrip. (AC007067) T10024.5 [Arabidopsis thaliana]

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o6.gs	Method	GENSCAN
Start	20160	End	20907

GI	none	Score	.82
Exons	20160..20318, 20734..20907		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o1.np	Method	AAT/NAP
Start	1330	End	9193
GI	2586082	Score	4601
Exons	1330..2587, 6101..6455, 6527..9193		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o1.gp	Method	AAT/GAP
Start	2746	End	2854
GI	uC-osflcyp088b12b1	Score	152
Exons	2746..2854		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o2.gs	Method	GENSCAN
Start	2820	End	12381
GI	none	Score	.55
Exons	2820..2879, 4628..5316, 5524..5651, 6145..7054, 8140..8819, 8880..9142, 11185..11305, 11345..11674, 11771..11839, 11883..12065, 12151..12293, 12313..12381		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o2.gp	Method	AAT/GAP
Start	3978	End	4058
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	3978..4058		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13882	Strand	-
Start	14288	End	15632
Name	OJ990301_05.9819.C12.o4.gs	Method	GENSCAN
Start	14288	End	15632
GI	none	Score	.55
Exons	14288..14373, 14579..14809, 15566..15632		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	1381	End	1952
GI	none	Score	54
Exons	1381..1602, 1390..1518, 1601..1705, 1604..1696, 1701..1952,		

1708..1950

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1387	End	1812
GI	none	Score	90
Exons	1387..1599, 1405..1557, 1490..1573, 1598..1672, 1701..1811, 1708..1812		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	1743	End	2170
GI	none	Score	67
Exons	1743..1952, 1744..1950, 1951..2169, 1952..2170		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	1824	End	2059
GI	none	Score	66
Exons	1824..1943, 1824..1949, 1852..1950, 1927..2040, 1948..2058, 1955..2059		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	2168	End	2560
GI	none	Score	82
Exons	2168..2560, 2391..2540		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	2171	End	6198
GI	none	Score	98
Exons	2171..2356, 2348..2551, 2388..2540, 2469..2567, 6097..6198, 6108..6197		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	2258	End	2566
GI	none	Score	59
Exons	2258..2440, 2384..2437, 2462..2566, 2474..2554		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o7.tm	Method	TBLASTX:Maize

Start 6093
 GI none
 Exons 6093..6338, 6109..6327

End 6338
 Score 84

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o5.ts
 Start 6102
 GI none
 Exons 6102..6236, 6109..6237, 6264..6326

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Soybean
 End 6326
 Score 102

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o1.tc
 Start 6996
 GI none
 Exons 6996..7238, 7251..7448, 7294..7428

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Cress
 End 7448
 Score 83

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o3.tw
 Start 6996
 GI none
 Exons 6996..7253, 7000..7140, 7177..7212, 7248..7337

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Wheat
 End 7337
 Score 83

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o4.ts
 Start 7014
 GI none
 Exons 7014..7238, 7248..7427

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Soybean
 End 7427
 Score 128

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o5.tm
 Start 7017
 GI none
 Exons 7017..7238, 7021..7140, 7233..7334

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Maize
 End 7334
 Score 63

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o2.ts
 Start 7450
 GI none
 Exons 7450..7620, 7476..7604, 7645..7860, 7649..7861

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Soybean
 End 7861
 Score 37

Seq. No. 6590
 Gene No. 13883
 Start 18496
 Name OJ990301_05.9819.C12.o2.tw
 Start 7970

Seq. ID OJ990301_05.9819.C12
 Strand -
 End 21541
 Method TBLASTX:Wheat
 End 8284

GI	none	Score	146
Exons	7970..8092, 8090..8284, 8093..8266		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	8138	End	8380
GI	none	Score	88
Exons	8138..8260, 8139..8276, 8291..8377, 8306..8380		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	8709	End	9115
GI	none	Score	43
Exons	8709..8774, 8711..8773, 8765..8986, 8766..8987, 9011..9115		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	8801	End	9154
GI	none	Score	71
Exons	8801..9154, 8802..9026		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.np	Method	AAT/NAP
Start	18496	End	21541
GI	6069646	Score	103
Exons	18496..18514, 20846..21199, 21498..21541		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.np	Method	AAT/NAP
Start	1	End	5514
GI	4417309	Score	353
Exons	1..25, 2860..3239, 3423..3709, 3865..4324, 5402..5514		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.gs	Method	GENSCAN
Start	753	End	15168
GI	none	Score	.48
Exons	753..1467, 1569..1609, 1859..2781, 2888..3160, 3236..3377,		

3500..3699, 4019..5454, 5587..5911, 7929..8115, 8169..8413,
9520..9545, 9923..10098, 10301..10575, 14434..14567,
15056..15168

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	756	End	995
GI	none	Score	97
Exons	756..866, 864..932, 918..995		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	768	End	1013
GI	none	Score	48
Exons	768..1013, 772..813, 883..969		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.np	Method	AAT/NAP
Start	774	End	2617
GI	4544372	Score	632
Exons	774..2617		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.tw	Method	TBLASTX:Wheat
Start	789	End	1205
GI	none	Score	90
Exons	789..1013, 1065..1205		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.np	Method	AAT/NAP
Start	982	End	4640
GI	4417309	Score	341
Exons	982..1034, 2841..3239, 3423..3709, 3865..4280, 4467..4640		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	1628	End	1981
GI	none	Score	185
Exons	1628..1981		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
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Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o2.tw
 Start 2360
 GI none
 Exons 2360..2722

Strand -
 End 15168
 Method TBLASTX:Wheat
 End 2722
 Score 190

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o1.ts
 Start 2495
 GI none
 Exons 2495..2737, 2499..2612, 2649..

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Soybean
 End 2851
 Score 75
 2738, 2768..2851

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o1.tw
 Start 2890
 GI none
 Exons 2890..3291, 2891..2962, 2892..

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Wheat
 End 3299
 Score 57
 3299, 2943..3173, 2959..3282

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o1.tm
 Start 2977
 GI none
 Exons 2977..3237, 2979..3239

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Maize
 End 3239
 Score 282

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o3.ts
 Start 3093
 GI none
 Exons 3093..3227, 3243..3461

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Soybean
 End 3461
 Score 144

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o4.ts
 Start 3942
 GI none
 Exons 3942..4304

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Soybean
 End 4304
 Score 193

Seq. No. 6591
 Gene No. 13884
 Start 1
 Name OJ990301_05.9819.C13.o2.tm
 Start 5445
 GI none
 Exons 5445..5663, 5542..5658, 5688..

Seq. ID OJ990301_05.9819.C13
 Strand -
 End 15168
 Method TBLASTX:Maize
 End 5813
 Score 51
 5813, 5689..5796

Seq. No. 6591
 Gene No. 13884

Seq. ID OJ990301_05.9819.C13
 Strand -

Start	1	End	15168
Name	OJ990301_05.9819.C13.o4.np	Method	AAT/NAP
Start	6825	End	8451
GI	6063554	Score	166
Exons	6825..6996, 8052..8115, 8214..8451		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o2.np	Method	AAT/NAP
Start	3117	End	5666
GI	4539658	Score	215
Exons	3117..3139, 3844..3969, 4134..4311, 5636..5666		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o1.gp	Method	AAT/GAP
Start	3415	End	3964
GI	LIB3475-004-P1-K2-A5	Score	403
Exons	3415..3440, 3703..3964		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o1.np	Method	AAT/NAP
Start	3843	End	5666
GI	4539658	Score	215
Exons	3843..3969, 4134..4311, 5636..5666		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o2.gp	Method	AAT/GAP
Start	4322	End	4572
GI	LIB3475-004-P1-K2-A5	Score	421
Exons	4322..4572		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o3.np	Method	AAT/NAP
Start	4791	End	5455
GI	4680183	Score	189
Exons	4791..4859, 5364..5455		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13886	Strand	-
Start	2648	End	5333
Name	OJ990301_05.9819.C14.ol.gs	Method	GENSCAN
Start	2648	End	5333
GI	none	Score	.72
Exons	2648..2695, 3473..3716, 4820..4856, 5171..5333		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13886	Strand	-
Start	2648	End	5333
Name	OJ990301_05.9819.C14.ol.tm	Method	TBLASTX:Maize
Start	3733	End	4597
GI	none	Score	43
Exons	3733..3777, 3746..3778, 3779..3874, 3783..3875, 3847..3984, 3860..3985, 3863..3988, 3873..3989, 4353..4475, 4353..4475, 4354..4482, 4367..4483, 4455..4592, 4468..4593, 4471..4596, 4481..4597		

Seq. No.	6593	Seq. ID	OJ990301_05.9819.C16
Gene No.	13887	Strand	+
Start	151	End	204
Name	OJ990301_05.9819.C16.ol.gs	Method	GENSCAN
Start	151	End	204
GI	none	Score	.77
Exons	151..204		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13888	Strand	+
Start	241	End	408
Name	OJ990301_05.9819.C19.ol.gs	Method	GENSCAN
Start	241	End	389
GI	none	Score	.69
Exons	241..389		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13888	Strand	+
Start	241	End	408
Name	OJ990301_05.9819.C19.ol.tm	Method	TBLASTX:Maize
Start	241	End	408
GI	none	Score	209
Exons	241..408, 243..290, 263..400, 345..407		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13889	Strand	
Start	398	End	667
Name	OJ990301_05.9819.C19.ol.ts	Method	TBLASTX:Soybean
Start	398	End	667
GI	none	Score	100
Exons	398..481, 511..600, 512..667		

Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.ol.tm	Method	TBLASTX:Maize
Start	225	End	418

GI	none	Score	114
Exons	225..413, 227..406, 229..414, 233..418		
Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	231	End	418
GI	none	Score	239
Exons	231..284, 232..411, 233..418		
Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	232	End	418
GI	none	Score	105
Exons	232..291, 233..298, 323..418, 325..402		
Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.gs	Method	GENSCAN
Start	281	End	417
GI	none	Score	.46
Exons	281..417		
Seq. No.	6596	Seq. ID	OJ990301_05.9819.C22
Gene No.	13891	Strand	-
Start	359	End	751
Name	OJ990301_05.9819.C22.o1.gs	Method	GENSCAN
Start	359	End	751
GI	none	Score	.9
Exons	359..451, 749..751		
Seq. No.	6597	Seq. ID	OJ990301_05.9819.C24
Gene No.	13892	Strand	-
Start	22	End	482
Name	OJ990301_05.9819.C24.o1.gs	Method	GENSCAN
Start	22	End	482
GI	none	Score	.79
Exons	22..482		
Seq. No.	6598	Seq. ID	OJ990301_05.9819.C25
Gene No.	13893	Strand	+
Start	744	End	924
Name	OJ990301_05.9819.C25.o1.gs	Method	GENSCAN
Start	744	End	924
GI	none	Score	.93
Exons	744..924		
Seq. No.	6599	Seq. ID	OJ990301_05.9819.C27
Gene No.	13894	Strand	+
Start	772	End	852
Name	OJ990301_05.9819.C27.o1.gs	Method	GENSCAN
Start	772	End	852
GI	none	Score	.76

Exons 772..852

Seq. No.	6600	Seq. ID	OJ990301_05.9819.C28
Gene No.	13895	Strand	+
Start	1	End	763
Name	OJ990301_05.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	763
GI	5803259	Score	375
Exons	1..763		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6600	Seq. ID	OJ990301_05.9819.C28
Gene No.	13895	Strand	+
Start	1	End	763
Name	OJ990301_05.9819.C28.o1.gs	Method	GENSCAN
Start	343	End	710
GI	none	Score	.85
Exons	343..710		

Seq. No.	6601	Seq. ID	OJ990301_05.9819.C30
Gene No.	13896	Strand	+
Start	83	End	123
Name	OJ990301_05.9819.C30.o1.gs	Method	GENSCAN
Start	83	End	123
GI	none	Score	.58
Exons	83..123		

Seq. No.	6602	Seq. ID	OJ990301_05.9819.C32
Gene No.	13897	Strand	+
Start	14	End	776
Name	OJ990301_05.9819.C32.o1.np	Method	AAT/NAP
Start	14	End	776
GI	5042454	Score	210
Exons	14..160, 499..776		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6602	Seq. ID	OJ990301_05.9819.C32
Gene No.	13897	Strand	+
Start	14	End	776
Name	OJ990301_05.9819.C32.o1.gs	Method	GENSCAN
Start	123	End	573
GI	none	Score	.68
Exons	123..160, 450..573		

Seq. No.	6603	Seq. ID	OJ990301_05.9819.C33
Gene No.	13898	Strand	+
Start	459	End	526
Name	OJ990301_05.9819.C33.o1.gp	Method	AAT/GAP
Start	459	End	526
GI	uC-osflcyp088b12b1	Score	93
Exons	459..526		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6603	Seq. ID	OJ990301_05.9819.C33
Gene No.	13899	Strand	-
Start	26	End	451

Name	OJ990301_05.9819.C33.o1.gs	Method	GENSCAN
Start	26	End	451
GI	none	Score	.45
Exons	26..220, 341..451		
Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13900	Strand	+
Start	390	End	729
Name	OJ990301_05.9819.C35.o1.gs	Method	GENSCAN
Start	390	End	684
GI	none	Score	.95
Exons	390..684		
Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13900	Strand	+
Start	390	End	729
Name	OJ990301_05.9819.C35.o2.np	Method	AAT/NAP
Start	401	End	729
GI	5902445	Score	321
Exons	401..729		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	729
GI	3152596	Score	57
Exons	1..139, 654..729		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		
Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	359	End	727
GI	none	Score	77
Exons	359..544, 407..727, 408..719		
Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	491	End	727
GI	none	Score	219
Exons	491..727, 492..719		
Seq. No.	6605	Seq. ID	OJ990301_05.9819.C36
Gene No.	13902	Strand	-
Start	104	End	228
Name	OJ990301_05.9819.C36.o1.gs	Method	GENSCAN
Start	104	End	228
GI	none	Score	.64
Exons	104..228		
Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13903	Strand	+

Start	1	End	233
Name	OJ990331_03.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	233
GI	4581110	Score	103
Exons	1..233		
GI Descrip.	(AC005825) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13904	Strand	-
Start	8	End	89
Name	OJ990331_03.9819.C1.o1.gs	Method	GENSCAN
Start	8	End	89
GI	none	Score	.46
Exons	8..89		

Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13905	Strand	
Start	2	End	254
Name	OJ990331_03.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	254
GI	none	Score	55
Exons	2..43, 3..41, 29..253, 39..254		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13906	Strand	+
Start	10807	End	13067
Name	OJ990331_03.9819.C2.o2.np	Method	AAT/NAP
Start	10807	End	13067
GI	6063554	Score	453
Exons	10807..11051, 11329..11516, 12084..12112, 12893..13067		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	13856	End	14225
GI	none	Score	148
Exons	13856..13981, 13857..13982, 14007..14225, 14012..14128		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	16189	End	16557
GI	none	Score	139
Exons	16189..16407, 16423..16557		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	16351	End	16759
GI	none	Score	597

Exons 16351..16758, 16368..16700, 16430..16759

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	16411	End	16626
GI	none	Score	288
Exons	16411..16626, 16413..16622		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	16627	End	17085
GI	none	Score	602
Exons	16627..17085, 16627..17079, 16776..17084		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	16774	End	17066
GI	none	Score	204
Exons	16774..17055, 16809..17066		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	16777	End	17079
GI	none	Score	183
Exons	16777..17079, 16831..16989		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	17399	End	17660
GI	none	Score	182
Exons	17399..17506, 17400..17537, 17400..17537, 17574..17660		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o4.np	Method	AAT/NAP
Start	18262	End	19429
GI	629693	Score	449
Exons	18262..19429		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	18312	End	18593

GI	none	Score	224
Exons	18312..18593		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	18946	End	19329
GI	none	Score	199
Exons	18946..19329		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	19138	End	19370
GI	none	Score	196
Exons	19138..19353, 19188..19268, 19347..19370		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o2.np	Method	AAT/NAP
Start	1	End	19313
GI	927428	Score	128
Exons	1..30, 3507..3663, 10049..10125, 19285..19313		
GI Descrip.	(X86733) fis1 [Linum usitatissimum]		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o3.gs	Method	GENSCAN
Start	12421	End	16000
GI	none	Score	.63
Exons	12421..12434, 12806..12897, 13337..13474, 13940..14448, 14466..14744, 14842..14941, 15129..15350, 15753..16000		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o4.np	Method	AAT/NAP
Start	14347	End	14952
GI	5596481	Score	394
Exons	14347..14744, 14842..14952		
GI Descrip.	(AL096882) putative protein [Arabidopsis thaliana]		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13909	Strand	-
Start	2683	End	3141
Name	OJ990331_03.9819.C3.o1.np	Method	AAT/NAP
Start	2683	End	3141
GI	1172874	Score	127
Exons	2683..2958, 2995..3141		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi 479589 pir S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi 391608 dbj BAA01546 (D10703) rd22 [Arabidopsis thaliana] gi 447134 prf 1913421A rd22 gene		

[*Arabidopsis thaliana*]

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13910	Strand	-
Start	11847	End	16812
Name	OJ990331_03.9819.C3.o3.np	Method	AAT/NAP
Start	11847	End	16083
GI	6899926	Score	42
Exons	11847..11915, 14092..14249, 16035..16083		
GI Descrip.	(AL138651) putative protein [<i>Arabidopsis thaliana</i>]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13910	Strand	-
Start	11847	End	16812
Name	OJ990331_03.9819.C3.o5.np	Method	AAT/NAP
Start	15504	End	16812
GI	5777617	Score	103
Exons	15504..15627, 16781..16812		
GI Descrip.	(AJ245900) CAA30375.1 protein [<i>Oryza sativa</i>]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	2683	End	17991
GI	none	Score	64
Exons	2683..2736, 2687..2737, 2729..2824, 2734..2823, 2820..2873, 2884..2961, 2888..2968, 2988..3047, 3019..3147, 3032..3148, 3044..3211, 3058..3153, 3180..3236, 3238..3291, 3246..3290, 17135..17191, 17135..17191, 17136..17201, 17189..17287, 17190..17288, 17312..17422, 17370..17423, 17486..17524, 17564..17659, 17565..17660, 17681..17719, 17723..17923, 17730..17909, 17947..17991		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3064	End	17885
GI	none	Score	75
Exons	3064..3147, 3175..3291, 17564..17659, 17565..17660, 17681..17794, 17681..17884, 17682..17885		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	14353	End	14627
GI	none	Score	142
Exons	14353..14478, 14367..14462, 14463..14627, 14465..14581		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	14356	End	14744
GI	none	Score	87

Exons 14356..14478, 14463..14654, 14465..14575, 14688..14744

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	14463	End	14874
GI	none	Score	219
Exons	14463..14717, 14465..14575, 14702..14743, 14703..14744, 14832..14873, 14839..14874		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o4.gs	Method	GENSCAN
Start	17114	End	19236
GI	none	Score	.68
Exons	17114..17943, 19188..19236		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o6.np	Method	AAT/NAP
Start	17511	End	17943
GI	1063666	Score	277
Exons	17511..17943		
GI Descrip.	(U38791) unknown [Zea mays]		

Seq. No.	6609	Seq. ID	OJ990331_03.9819.C6
Gene No.	13912	Strand	-
Start	239	End	762
Name	OJ990331_03.9819.C6.o1.gs	Method	GENSCAN
Start	239	End	762
GI	none	Score	.94
Exons	239..361, 660..762		

Seq. No.	6610	Seq. ID	OJ990331_03.9819.C7
Gene No.	13913	Strand	+
Start	264	End	543
Name	OJ990331_03.9819.C7.o1.gs	Method	GENSCAN
Start	264	End	543
GI	none	Score	.99
Exons	264..543		

Seq. No.	6610	Seq. ID	OJ990331_03.9819.C7
Gene No.	13914	Strand	
Start	557	End	1322
Name	OJ990331_03.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	557	End	1322
GI	none	Score	54
Exons	557..646, 562..612, 562..612, 635..769, 656..760, 665..760, 668..763, 688..768, 688..759, 691..768, 693..764, 698..766, 758..868, 776..853, 783..890, 784..897, 785..901, 790..891, 823..897, 910..1053, 925..1047, 937..1038, 937..1044, 937..1047, 945..1070, 948..1070, 953..1054, 956..1045, 1068..1208, 1070..1210, 1074..1199, 1077..1202, 1093..1221, 1096..1221, 1101..1193, 1103..1225, 1117..1203, 1213..1269, 1269..1322		

Seq. No. 6611
 Gene No. 13915
 Start 363
 Name OJ990331_03.9819.C8.o1.gs
 Start 363
 GI none
 Exons 363..477

Seq. ID OJ990331_03.9819.C8
 Strand +
 End 477
 Method GENSCAN
 End 477
 Score .65

Seq. No. 6611
 Gene No. 13916
 Start 10678
 Name OJ990331_03.9819.C8.o1.np
 Start 10678
 GI 4972079
 Exons 10678..10700, 12754..12784, 15057..15410, 16615..16662
 GI Descrip. (AL078469) putative protein [Arabidopsis thaliana]

Seq. ID OJ990331_03.9819.C8
 Strand +
 End 17284
 Method AAT/NAP
 End 16662
 Score 109

Seq. No. 6611
 Gene No. 13916
 Start 10678
 Name OJ990331_03.9819.C8.o4.gs
 Start 16089
 GI none
 Exons 16089..16991, 17018..17192, 17220..17284

Seq. ID OJ990331_03.9819.C8
 Strand +
 End 17284
 Method GENSCAN
 End 17284
 Score .81

Seq. No. 6611
 Gene No. 13917
 Start 1345
 Name OJ990331_03.9819.C8.o2.gs
 Start 1345
 GI none
 Exons 1345..2648, 7578..7757, 10119..10281, 13337..13468, 13583..13666

Seq. ID OJ990331_03.9819.C8
 Strand -
 End 13666
 Method GENSCAN
 End 13666
 Score .8

Seq. No. 6611
 Gene No. 13917
 Start 1345
 Name OJ990331_03.9819.C8.o1.gp
 Start 6168
 GI 66825_1.R1084
 Exons 6168..6604
 GI Descrip. '3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:'

Seq. ID OJ990331_03.9819.C8
 Strand -
 End 13666
 Method AAT/GAP
 End 6604
 Score 813

Seq. No. 6611
 Gene No. 13918
 Start 15985
 Name OJ990331_03.9819.C8.o1.tm
 Start 15070
 GI none
 Exons 15070..15132, 15126..15233, 15231..15368, 15372..15404

Seq. ID OJ990331_03.9819.C8
 Strand -
 End 16468
 Method TBLASTX:Maize
 End 15404
 Score 66

Seq. No. 6611
 Gene No. 13918

Seq. ID OJ990331_03.9819.C8
 Strand -

Start	15985	End	16468
Name	OJ990331_03.9819.C8.o2.np	Method	AAT/NAP
Start	15985	End	16468
GI	5306245	Score	56
Exons	15985..16276, 16383..16468		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	6612	Seq. ID	OJ990331_03.9819.C9
Gene No.	13919	Strand	+
Start	1792	End	1863
Name	OJ990331_03.9819.C9.o1.gs	Method	GENSCAN
Start	1792	End	1863
GI	none	Score	.44
Exons	1792..1863		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13920	Strand	+
Start	1	End	4310
Name	OJ990331_03.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	4118
GI	6815062	Score	564
Exons	1..753, 4094..4118		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13920	Strand	+
Start	1	End	4310
Name	OJ990331_03.9819.C10.o1.gs	Method	GENSCAN
Start	92	End	4310
GI	none	Score	.52
Exons	92..187, 2555..2623, 3318..3349, 4229..4310		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13921	Strand	+
Start	5427	End	7799
Name	OJ990331_03.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	153	End	396
GI	none	Score	108
Exons	153..269, 158..244, 265..396, 282..386		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13921	Strand	+
Start	5427	End	7799
Name	OJ990331_03.9819.C10.o2.gs	Method	GENSCAN
Start	5427	End	7799
GI	none	Score	.58
Exons	5427..5607, 5677..5917, 6198..6361, 6840..6964, 7119..7263, 7677..7799		

Seq. No.	6614	Seq. ID	OJ990331_03.9819.C11
Gene No.	13922	Strand	+
Start	534	End	1125
Name	OJ990331_03.9819.C11.o2.gp	Method	AAT/GAP
Start	534	End	1125
GI	L1B3477-003-P1-K1-E9	Score	154

Exons 534..581, 1073..1125
 GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 6614 Seq. ID OJ990331_03.9819.C11
 Gene No. 13923 Strand +
 Start 1425 End 4577
 Name OJ990331_03.9819.C11.o1.gs Method GENSCAN
 Start 1425 End 4577
 GI none Score .81
 Exons 1425..1587, 1680..1808, 2125..2247, 2352..2453, 2985..3107,
 3406..3528, 3824..3946, 4248..4376, 4476..4577

Seq. No. 6614 Seq. ID OJ990331_03.9819.C11
 Gene No. 13924 Strand -
 Start 466 End 568
 Name OJ990331_03.9819.C11.o3.gp Method AAT/GAP
 Start 466 End 568
 GI LIB3477-003-P1-K1-E9 Score 154
 Exons 466..568
 GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 6615 Seq. ID OJ990331_03.9819.C12
 Gene No. 13925 Strand -
 Start 153 End 488
 Name OJ990331_03.9819.C12.o1.gs Method GENSCAN
 Start 153 End 372
 GI none Score .98
 Exons 153..372

Seq. No. 6615 Seq. ID OJ990331_03.9819.C12
 Gene No. 13925 Strand -
 Start 153 End 488
 Name OJ990331_03.9819.C12.o1.ts Method TBLASTX:Soybean
 Start 207 End 488
 GI none Score 224
 Exons 207..488

Seq. No. 6616 Seq. ID OJ990301_03.9819.C3
 Gene No. 13926 Strand -
 Start 603 End 676
 Name OJ990301_03.9819.C3.o1.gp Method AAT/GAP
 Start 603 End 676
 GI LIB3477-003-P1-K1-E9 Score 85
 Exons 603..676
 GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 6617 Seq. ID OJ990301_03.9819.C4
 Gene No. 13927 Strand +
 Start 729 End 2258
 Name OJ990301_03.9819.C4.o1.gs Method GENSCAN
 Start 729 End 2258

GI	none	Score	.65
Exons	729..817, 2201..2258		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13928	Strand	+
Start	2496	End	12494
Name	OJ990301_03.9819.C4.o2.gs	Method	GENSCAN
Start	2496	End	12494
GI	none	Score	.62
Exons	2496..3056, 3652..3914, 4210..4395, 4864..5021, 6361..7220, 12465..12494		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13928	Strand	+
Start	2496	End	12494
Name	OJ990301_03.9819.C4.o1.np	Method	AAT/NAP
Start	6257	End	8062
GI	4680184	Score	534
Exons	6257..6311, 6348..6735, 6911..7059, 7385..7469, 7502..8062		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13929	Strand	+
Start	14033	End	16187
Name	OJ990301_03.9819.C4.o3.gs	Method	GENSCAN
Start	14033	End	16187
GI	none	Score	.46
Exons	14033..14102, 16147..16187		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13930	Strand	-
Start	10943	End	12782
Name	OJ990301_03.9819.C4.o2.np	Method	AAT/NAP
Start	10943	End	12782
GI	133446	Score	50
Exons	10943..11104, 12732..12782		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi 66986 pir RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi 11973 emb CAA33988 (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13931	Strand	-
Start	16826	End	17251
Name	OJ990301_03.9819.C4.o3.np	Method	AAT/NAP
Start	16826	End	17251
GI	4680180	Score	141
Exons	16826..17251		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13932	Strand	+
Start	1	End	1620
Name	OJ990301_03.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	5902444	Score	147
Exons	1..236, 1594..1620		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13933	Strand	+
Start	1991	End	8052
Name	OJ990301_03.9819.C5.o2.np	Method	AAT/NAP
Start	1991	End	8052
GI	5922631	Score	6600
Exons	1991..2115, 2373..2617, 2877..3055, 3101..3672, 3715..3865, 3992..4918, 5524..8052		

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]
gi|6016864|dbj|BAA85207.1|. (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13934	Strand	+
Start	11503	End	13030
Name	OJ990301_03.9819.C5.o4.np	Method	AAT/NAP
Start	11503	End	13027
GI	6729552	Score	77
Exons	11503..11564, 12814..13027		

GI Descrip. (AL132977) putative protein [Arabidopsis thaliana]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13934	Strand	+
Start	11503	End	13030
Name	OJ990301_03.9819.C5.o3.gs	Method	GENSCAN
Start	11949	End	13030
GI	none	Score	.89
Exons	11949..11968, 12802..13030		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13935	Strand	+
Start	16924	End	17493
Name	OJ990301_03.9819.C5.o5.np	Method	AAT/NAP
Start	16594	End	17490
GI	2462834	Score	177
Exons	16594..16660, 16953..17116, 17158..17490		

GI Descrip. (AF000657) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13935	Strand	+
Start	16924	End	17493
Name	OJ990301_03.9819.C5.o4.gs	Method	GENSCAN
Start	16924	End	17493
GI	none	Score	1
Exons	16924..17493		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o1.gp	Method	AAT/GAP
Start	18821	End	20347

GI 2310235 Score 302
 Exons 18821..18858, 19271..19410, 20287..20347
 GI Descrip. 5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507
 Name OJ990301_03.9819.C5.o6.np Method AAT/NAP
 Start 19271 End 22577
 GI 4680203 Score 3288
 Exons 19271..20939, 21093..21323, 21600..22577
 GI Descrip. (AF114171) TNF2-like protein [Sorghum bicolor]

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507
 Name OJ990301_03.9819.C5.o2.gp Method AAT/GAP
 Start 19275 End 23362
 GI 342_1.R1084 Score 6678
 Exons 19275..22682, 22801..22905, 23015..23362
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507
 Name OJ990301_03.9819.C5.o4.gp Method AAT/GAP
 Start 19275 End 23358
 GI 342_1.R1084 Score 6670
 Exons 19275..22682, 22801..22905, 23015..23358
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507
 Name OJ990301_03.9819.C5.o5.gp Method AAT/GAP
 Start 19275 End 23352
 GI 342_1.R1084 Score 6658
 Exons 19275..22682, 22801..22905, 23015..23352
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507
 Name OJ990301_03.9819.C5.o3.gp Method AAT/GAP
 Start 19275 End 23364
 GI 342_1.R1084 Score 6682
 Exons 19275..22682, 22801..22905, 23015..23364
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13936 Strand +
 Start 18821 End 23507

Name	OJ990301_03.9819.C5.o6.gp	Method	AAT/GAP
Start	19433	End	23507
GI	342 1.R1084	Score	6722
Exons	19433..22682, 22801..22905, 23015..23507		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o7.gp	Method	AAT/GAP
Start	19437	End	23507
GI	342 1.R1084	Score	6718
Exons	19437..22682, 22801..22905, 23015..23507		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	1277	End	17430
GI	none	Score	99
Exons	1277..1351, 1285..1350, 1394..1477, 1423..1473, 12815..12967, 12829..12951, 17020..17088, 17022..17087, 17146..17430, 17187..17414		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.tc	Method	TBLASTX:Cress
Start	1279	End	17409
GI	none	Score	84
Exons	1279..1353, 1280..1354, 1391..1474, 1393..1473, 1570..1599, 12803..12946, 12829..12945, 17019..17090, 17020..17091, 17155..17409, 17157..17237, 17292..17408		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o11.tw	Method	TBLASTX:Wheat
Start	3276	End	3678
GI	none	Score	281
Exons	3276..3545, 3277..3678		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	4258	End	5055
GI	none	Score	140
Exons	4258..4434, 4479..4715, 4483..4713, 4762..5055, 4890..5051		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o12.tw	Method	TBLASTX:Wheat

Start	5085	End	5289
GI	none	Score	242
Exons	5085..5288, 5089..5289, 5093..5287, 5097..5288		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	5093	End	5420
GI	none	Score	350
Exons	5093..5410, 5100..5420		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	5289	End	5708
GI	none	Score	447
Exons	5289..5708, 5291..5707		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	5583	End	5984
GI	none	Score	292
Exons	5583..5984, 5600..5743, 5780..5950		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	5651	End	6083
GI	none	Score	272
Exons	5651..5902, 5652..5903, 5928..6083		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	5754	End	6182
GI	none	Score	402
Exons	5754..6182		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	6207	End	6598
GI	none	Score	252
Exons	6207..6596, 6218..6598		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	6219	End	6641

GI	none	Score	379
Exons	6219..6641, 6224..6565		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o14.tw	Method	TBLASTX:Wheat
Start	6657	End	6995
GI	none	Score	133
Exons	6657..6791, 6659..6751, 6842..6976, 6858..6995		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	6953	End	7317
GI	none	Score	287
Exons	6953..7171, 6954..7172, 7014..7238, 7138..7278, 7270..7317		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o10.tw	Method	TBLASTX:Wheat
Start	7092	End	7461
GI	none	Score	87
Exons	7092..7169, 7144..7458, 7168..7347, 7191..7460, 7399..7461		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	7462	End	8076
GI	none	Score	345
Exons	7462..7953, 7482..7571, 7623..7751, 7945..8076		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	7774	End	8037
GI	none	Score	157
Exons	7774..7956, 7935..8036, 7936..8037		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.gs	Method	GENSCAN
Start	8418	End	11345
GI	none	Score	.92
Exons	8418..8762, 9383..9570, 9648..10006, 10083..10247, 10283..10374, 10461..11345		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.np	Method	AAT/NAP
Start	8430	End	11345

GI 6691716 Score 2485
 Exons 8430..8869, 8943..9056, 9206..9308, 9383..9570, 9648..9827, 9906..10006, 10083..10260, 10457..11345
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13937 Strand -
 Start 8418 End 17430
 Name OJ990301_03.9819.C5.o13.tw Method TBLASTX:Wheat
 Start 10935 End 11225
 GI none Score 218
 Exons 10935..11225

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13938 Strand -
 Start 19622 End 19978
 Name OJ990301_03.9819.C5.o9.tw Method TBLASTX:Wheat
 Start 19622 End 19978
 GI none Score 103
 Exons 19622..19729, 19712..19963, 19720..19962, 19721..19978, 19722..19973

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13939 Strand -
 Start 19894 End 20762
 Name OJ990301_03.9819.C5.o1.ts Method TBLASTX:Soybean
 Start 19894 End 20323
 GI none Score 102
 Exons 19894..19977, 19895..19969, 19970..20032, 20027..20323, 20081..20305

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13939 Strand -
 Start 19894 End 20762
 Name OJ990301_03.9819.C5.o2.tc Method TBLASTX:Cress
 Start 20056 End 20365
 GI none Score 283
 Exons 20056..20208, 20063..20365, 20248..20343

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13939 Strand -
 Start 19894 End 20762
 Name OJ990301_03.9819.C5.o2.tw Method TBLASTX:Wheat
 Start 20192 End 20656
 GI none Score 72
 Exons 20192..20245, 20200..20244, 20246..20350, 20257..20346, 20366..20449, 20367..20450, 20430..20531, 20451..20522, 20453..20566, 20523..20651, 20528..20656, 20531..20656

Seq. No. 6618 Seq. ID OJ990301_03.9819.C5
 Gene No. 13939 Strand -
 Start 19894 End 20762
 Name OJ990301_03.9819.C5.o4.tm Method TBLASTX:Maize
 Start 20237 End 20690
 GI none Score 101

Exons 20237..20365, 20249..20368, 20367..20489, 20370..20489,
20523..20690

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	20526	End	20762
GI	none	Score	211
Exons	20526..20762		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13940	Strand	
Start	20795	End	21205
Name	OJ990301_03.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	20795	End	21205
GI	none	Score	87
Exons	20795..20845, 20796..20858, 20864..21046, 20868..21086, 20875..21087, 21119..21205, 21120..21203		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	21206	End	22523
GI	none	Score	876
Exons	21206..22108, 21207..22124, 22119..22163, 22123..22158, 22166..22261, 22170..22229, 22208..22348, 22209..22349, 22362..22442, 22431..22523		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	21249	End	21563
GI	none	Score	311
Exons	21249..21563, 21260..21535		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	21490	End	21942
GI	none	Score	152
Exons	21490..21672, 21494..21814, 21494..21937, 21504..21941, 21504..21941, 21691..21942		

Seq. No.	6619	Seq. ID	OJ990301_03.9819.C6
Gene No.	13942	Strand	+
Start	456	End	527
Name	OJ990301_03.9819.C6.o1.gp	Method	AAT/GAP
Start	456	End	527
GI	LIB3477-003-P1-K1-E9	Score	93
Exons	456..527		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13943	Strand	+
Start	1176	End	4336
Name	OJ990301_03.9819.C7.o3.np	Method	AAT/NAP
Start	1086	End	4318
GI	4680204	Score	851
Exons	1086..2066, 2141..3231, 3341..3514, 3611..3830, 4181..4318		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13943	Strand	+
Start	1176	End	4336
Name	OJ990301_03.9819.C7.o2.gs	Method	GENSCAN
Start	1176	End	4336
GI	none	Score	.62
Exons	1176..2066, 2141..2282, 2402..2544, 2546..3231, 3341..3514, 3611..3721, 3806..3878, 3973..4071, 4151..4336		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13944	Strand	+
Start	4616	End	4756
Name	OJ990301_03.9819.C7.o2.gp	Method	AAT/GAP
Start	4616	End	4756
GI	21474_1.R1084	Score	244
Exons	4616..4756		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	2165
GI	4680203	Score	843
Exons	1..839, 2135..2165		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.gs	Method	GENSCAN
Start	78	End	701
GI	none	Score	.46
Exons	78..701		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	126	End	416
GI	none	Score	95
Exons	126..191, 198..416, 202..408		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165

Name	OJ990301_03.9819.C7.ol.tw	Method	TBLASTX:Wheat
Start	183	End	539
GI	none	Score	157
Exons	183..440, 188..439, 198..449, 199..441, 432..539		
Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.ol.gp	Method	AAT/GAP
Start	435	End	839
GI	2310235	Score	141
Exons	435..460, 751..839		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	1676
GI	none	Score	62
Exons	1273..1413, 1273..1383, 1275..1511, 1275..1424, 1376..1543, 1506..1676		
Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.ol.np	Method	AAT/NAP
Start	1	End	766
GI	4680180	Score	592
Exons	1..766		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.ol.gs	Method	GENSCAN
Start	21	End	365
GI	none	Score	.87
Exons	21..365		
Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.ol.tw	Method	TBLASTX:Wheat
Start	79	End	418
GI	none	Score	44
Exons	79..117, 81..251, 99..260, 169..252, 259..417, 263..418		
Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.ol.tm	Method	TBLASTX:Maize
Start	111	End	418
GI	none	Score	81
Exons	111..158, 150..290, 190..414, 256..414, 257..418		

Seq. No.	6622	Seq. ID	OJ990301_03.9819.C9
Gene No.	13947	Strand	+
Start	30	End	1182
Name	OJ990301_03.9819.C9.o1.np	Method	AAT/NAP
Start	30	End	1182
GI	4680204	Score	682
Exons	30..1182		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6622	Seq. ID	OJ990301_03.9819.C9
Gene No.	13947	Strand	+
Start	30	End	1182
Name	OJ990301_03.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	780	End	1119
GI	none	Score	166
Exons	780..929, 781..942, 949..1083, 1002..1082, 1087..1119		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13948	Strand	-
Start	1	End	796
Name	OJ990301_03.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	796
GI	5902445	Score	1143
Exons	1..796		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	79	End	396
GI	none	Score	111
Exons	79..171, 165..395, 166..396		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	366	End	693
GI	none	Score	188
Exons	366..686, 376..693		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	396	End	851
GI	none	Score	193
Exons	396..701, 397..693, 692..850, 726..851		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o2.np	Method	AAT/NAP
Start	863	End	1116
GI	5902444	Score	242
Exons	863..1116		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1108
GI	5902444	Score	1558
Exons	1..1108		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.gs	Method	GENSCAN
Start	2	End	1111
GI	none	Score	.99
Exons	2..50, 177..1111		

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	443	End	1150
GI	none	Score	140
Exons	443..619, 664..900, 668..898, 947..1150		

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	1052
GI	5902445	Score	1136
Exons	1..1052		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	166	End	557
GI	none	Score	252
Exons	166..555, 177..557		

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	178	End	600
GI	none	Score	379
Exons	178..600, 183..524		

Seq. No.	6626	Seq. ID	OJ990301_03.9819.C18
Gene No.	13952	Strand	-
Start	1	End	827
Name	OJ990301_03.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	827

GI 4680184 Score 191
 Exons 1..555, 724..827
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 6626 Seq. ID OJ990301_03.9819.C18
 Gene No. 13952 Strand -
 Start 1 End 827
 Name OJ990301_03.9819.C18.o1.gs Method GENSCAN
 Start 216 End 689
 GI none Score .43
 Exons 216..689

Seq. No. 6627 Seq. ID OJ990301_03.9819.C22
 Gene No. 13953 Strand -
 Start 461 End 658
 Name OJ990301_03.9819.C22.o1.gs Method GENSCAN
 Start 461 End 658
 GI none Score .49
 Exons 461..606, 618..658

Seq. No. 6628 Seq. ID OJ990301_03.9819.C24
 Gene No. 13954 Strand +
 Start 1 End 982
 Name OJ990301_03.9819.C24.o1.np Method AAT/NAP
 Start 1 End 982
 GI 6742729 Score 545
 Exons 1..982
 GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 6628 Seq. ID OJ990301_03.9819.C24
 Gene No. 13954 Strand +
 Start 1 End 982
 Name OJ990301_03.9819.C24.o1.gp Method AAT/GAP
 Start 287 End 633
 GI 342_1.R1084 Score 590
 Exons 287..633
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6628 Seq. ID OJ990301_03.9819.C24
 Gene No. 13954 Strand +
 Start 1 End 982
 Name OJ990301_03.9819.C24.o1.tw Method TBLASTX:Wheat
 Start 287 End 633
 GI none Score 451
 Exons 287..631, 287..457, 288..629, 289..633, 289..633

Seq. No. 6628 Seq. ID OJ990301_03.9819.C24
 Gene No. 13954 Strand +
 Start 1 End 982
 Name OJ990301_03.9819.C24.o1.tm Method TBLASTX:Maize
 Start 320 End 631
 GI none Score 306
 Exons 320..631, 331..606

Seq. No. 6629 Seq. ID OJ990301_03.9819.C28
 Gene No. 13955 Strand -

Start	1	End	853
Name	OJ990301_03.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	853
GI	4680204	Score	117
Exons	1..20, 105..321, 431..853		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6629	Seq. ID	OJ990301_03.9819.C28
Gene No.	13955	Strand	-
Start	1	End	853
Name	OJ990301_03.9819.C28.o1.gs	Method	GENSCAN
Start	148	End	762
GI	none	Score	.88
Exons	148..321, 431..762		

Seq. No.	6630	Seq. ID	OJ990301_03.9819.C29
Gene No.	13956	Strand	-
Start	756	End	874
Name	OJ990301_03.9819.C29.o1.gs	Method	GENSCAN
Start	756	End	874
GI	none	Score	.68
Exons	756..874		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13957	Strand	+
Start	575	End	2346
Name	OJ990301_03.9819.C30.o1.np	Method	AAT/NAP
Start	575	End	2236
GI	6907088	Score	315
Exons	575..712, 888..1312, 2052..2236		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13957	Strand	+
Start	575	End	2346
Name	OJ990301_03.9819.C30.o2.np	Method	AAT/NAP
Start	646	End	2346
GI	6069654	Score	215
Exons	646..694, 1823..2346		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13958	Strand	-
Start	2009	End	2143
Name	OJ990301_03.9819.C30.o1.gs	Method	GENSCAN
Start	2009	End	2143
GI	none	Score	.63
Exons	2009..2143		

Seq. No.	6632	Seq. ID	OJ990301_03.9819.C31
Gene No.	13959	Strand	+
Start	1	End	1930
Name	OJ990301_03.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	1930
GI	4680184	Score	322
Exons	1..530, 677..928, 1256..1606, 1875..1930		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6632	Seq. ID	OJ990301_03.9819.C31
Gene No.	13960	Strand	-
Start	465	End	1648
Name	OJ990301_03.9819.C31.ol.gs	Method	GENSCAN
Start	465	End	1648
GI	none	Score	.84
Exons	465..564, 801..926, 1008..1131, 1261..1648		

Seq. No.	6633	Seq. ID	OJ990301_03.9819.C32
Gene No.	13961	Strand	-
Start	42	End	469
Name	OJ990301_03.9819.C32.ol.gs	Method	GENSCAN
Start	42	End	469
GI	none	Score	.92
Exons	42..115, 322..469		

Seq. No.	6634	Seq. ID	OJ990301_03.9819.C33
Gene No.	13962	Strand	-
Start	288	End	638
Name	OJ990301_03.9819.C33.ol.gs	Method	GENSCAN
Start	288	End	616
GI	none	Score	.96
Exons	288..616		

Seq. No.	6634	Seq. ID	OJ990301_03.9819.C33
Gene No.	13962	Strand	-
Start	288	End	638
Name	OJ990301_03.9819.C33.ol.tw	Method	TBLASTX:Wheat
Start	299	End	638
GI	none	Score	56
Exons	299..331, 335..469, 368..412, 476..637, 489..638		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.ol.np	Method	AAT/NAP
Start	58	End	704
GI	4416302	Score	640
Exons	58..704		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.ol.ts	Method	TBLASTX:Soybean
Start	150	End	554
GI	none	Score	350
Exons	150..554, 161..544		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.ol.tm	Method	TBLASTX:Maize
Start	183	End	673
GI	none	Score	297
Exons	183..476, 191..463, 482..673, 483..671		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	183	End	614
GI	none	Score	108
Exons	183..332, 357..614, 365..496		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	506
GI	6016874	Score	229
Exons	1..506		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	291	End	605
GI	none	Score	106
Exons	291..518, 292..510, 531..605		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.gp	Method	AAT/GAP
Start	296	End	646
GI	uC-osflcyp110c07b1	Score	628
Exons	296..646		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.gs	Method	GENSCAN
Start	347	End	464
GI	none	Score	.85
Exons	347..464		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1672
GI	6539588	Score	207
Exons	1..293, 1641..1672		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
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Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.gs	Method	GENSCAN
Start	443	End	2975
GI	none	Score	.44
Exons	443..1289, 1344..1526, 1594..1790, 1977..2975		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o3.np	Method	AAT/NAP
Start	1974	End	3242
GI	3645899	Score	758
Exons	1974..3242		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	2583	End	3116
GI	none	Score	228
Exons	2583..3008, 3036..3116		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2625	End	3113
GI	none	Score	81
Exons	2625..2690, 2633..2692, 2691..3113, 2753..3112		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2799	End	3110
GI	none	Score	235
Exons	2799..3110, 2819..3103		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13966	Strand	+
Start	1971	End	2761
Name	OJ990201_04.9819.C8.o2.gs	Method	GENSCAN
Start	1971	End	2761
GI	none	Score	.54
Exons	1971..2003, 2080..2314, 2691..2761		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13967	Strand	-
Start	1	End	1056
Name	OJ990201_04.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1056
GI	1002798	Score	595
Exons	1..51, 80..313, 392..521, 879..1056		
GI Descrip.	(U33916) Cpm5 [Craterostigma plantagineum]		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13967	Strand	-
Start	1	End	1056
Name	OJ990201_04.9819.C8.o1.gs	Method	GENSCAN
Start	80	End	1056
GI	none	Score	.86
Exons	80..313, 392..551, 879..1056		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	142	End	990
GI	none	Score	163
Exons	142..315, 146..310, 383..523, 391..522, 877..990, 892..963		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	145	End	990
GI	none	Score	197
Exons	145..315, 146..316, 386..523, 391..522, 875..970, 877..990		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	233	End	532
GI	none	Score	67
Exons	233..310, 235..318, 391..531, 392..532		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	238	End	978
GI	none	Score	82
Exons	238..336, 248..316, 383..523, 391..528, 877..978		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o3.gs	Method	GENSCAN
Start	3624	End	4596
GI	none	Score	.74
Exons	3624..3652, 4314..4403, 4535..4596		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13969	Strand	+
Start	7362	End	10996
Name	OJ990201_04.9819.C9.o1.np	Method	AAT/NAP
Start	7362	End	10996
GI	6006359	Score	74
Exons	7362..7406, 9151..9248, 10956..10996		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13970	Strand	-
Start	8701	End	14152
Name	OJ990201_04.9819.C9.o2.gs	Method	GENSCAN
Start	8701	End	13980
GI	none	Score	.62
Exons	8701..8829, 9085..9258, 9767..9979, 11112..11178, 11518..11733, 12099..12259, 12505..12572, 13753..13838, 13935..13980		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13970	Strand	-
Start	8701	End	14152
Name	OJ990201_04.9819.C9.o2.np	Method	AAT/NAP
Start	11636	End	14152
GI	3885941	Score	346
Exons	11636..11733, 12190..12259, 12505..12572, 13643..13730, 13811..13838, 13935..14152		
GI Descrip.	(AF095454) PII protein [Ricinus communis]		

Seq. No.	6640	Seq. ID	OJ990201_04.9819.C10
Gene No.	13971	Strand	+
Start	698	End	2531
Name	OJ990201_04.9819.C10.o1.np	Method	AAT/NAP
Start	698	End	2531
GI	5852093	Score	85
Exons	698..834, 2403..2531		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6640	Seq. ID	OJ990201_04.9819.C10
Gene No.	13972	Strand	-
Start	1	End	2486
Name	OJ990201_04.9819.C10.o2.np	Method	AAT/NAP
Start	1	End	2486
GI	5852093	Score	68
Exons	1..61, 146..292, 995..1101, 2454..2486		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13973	Strand	+
Start	2170	End	3995
Name	OJ990201_04.9819.C11.o1.np	Method	AAT/NAP
Start	2170	End	3995
GI	3482914	Score	738
Exons	2170..2425, 3133..3995		
GI Descrip.	(AC003970) Similar to nodulins and lipase [Arabidopsis thaliana]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2277	End	3971
GI	none	Score	163
Exons	2277..2420, 2278..2424, 3318..3578, 3509..3571, 3582..3638, 3701..3970, 3702..3971		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+

Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	3134	End	3872
GI	none	Score	99
Exons	3134..3223, 3135..3224, 3230..3391, 3231..3395, 3495..3638, 3701..3823, 3702..3872		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o2.np	Method	AAT/NAP
Start	6741	End	9795
GI	6815072	Score	1470
Exons	6741..6827, 7866..7989, 8088..8423, 8532..9243, 9359..9678, 9745..9795		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	8172	End	8987
GI	none	Score	74
Exons	8172..8231, 8241..8312, 8340..8687, 8883..8987		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	8883	End	9209
GI	none	Score	215
Exons	8883..9119, 8960..9133, 9132..9209		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	8990	End	9423
GI	none	Score	140
Exons	8990..9118, 8994..9119, 9129..9233, 9355..9423		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13975	Strand	+
Start	1	End	5734
Name	OJ990201_04.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	6815072	Score	2122
Exons	1..46, 281..2488		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13975	Strand	+
Start	1	End	5734
Name	OJ990201_04.9819.C12.o2.np	Method	AAT/NAP
Start	558	End	5734

GI 6063554 Score 347
 Exons 558..596, 3572..3793, 4095..4249, 4413..4456, 4898..4926, 5561..5734
 GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13975 Strand +
 Start 1 End 5734
 Name OJ990201_04.9819.C12.o2.gs Method GENSCAN
 Start 776 End 4336
 GI none Score .45
 Exons 776..2339, 2607..2776, 3692..4336

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13976 Strand +
 Start 6104 End 6378
 Name OJ990201_04.9819.C12.o3.gp Method AAT/GAP
 Start 6104 End 6378
 GI 61605_1.R1084 Score 462
 Exons 6104..6378
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13977 Strand -
 Start 4392 End 5895
 Name OJ990201_04.9819.C12.o3.tm Method TBLASTX:Maize
 Start 506 End 790
 GI none Score 185
 Exons 506..790, 514..762

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13977 Strand -
 Start 4392 End 5895
 Name OJ990201_04.9819.C12.o1.tm Method TBLASTX:Maize
 Start 1292 End 1660
 GI none Score 356
 Exons 1292..1660, 1295..1576, 1309..1659

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13977 Strand -
 Start 4392 End 5895
 Name OJ990201_04.9819.C12.o2.ts Method TBLASTX:Soybean
 Start 1960 End 2143
 GI none Score 186
 Exons 1960..2139, 1961..2143

Seq. No. 6642 Seq. ID OJ990201_04.9819.C12
 Gene No. 13977 Strand -
 Start 4392 End 5895
 Name OJ990201_04.9819.C12.o1.tc Method TBLASTX:Cress
 Start 1964 End 2221
 GI none Score 208
 Exons 1964..2221, 1975..2178

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2287
GI	none	Score	224
Exons	1967..2188, 1969..2187, 2209..2286, 2213..2287		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	2213	End	2395
GI	none	Score	221
Exons	2213..2395, 2213..2353, 2215..2394		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.gp	Method	AAT/GAP
Start	4392	End	5126
GI	101153_1.R1084	Score	418
Exons	4392..4451, 4886..5126		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o3.gs	Method	GENSCAN
Start	4854	End	5895
GI	none	Score	.82
Exons	4854..4994, 5466..5589, 5820..5895		

Seq. No.	6643	Seq. ID	OJ990201_04.9819.C13
Gene No.	13978	Strand	+
Start	1	End	698
Name	OJ990201_04.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6907089	Score	786
Exons	1..698		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6643	Seq. ID	OJ990201_04.9819.C13
Gene No.	13978	Strand	+
Start	1	End	698
Name	OJ990201_04.9819.C13.o1.gs	Method	GENSCAN
Start	67	End	541
GI	none	Score	.62
Exons	67..346, 374..541		

Seq. No.	6644	Seq. ID	OJ990201_04.9819.C14
Gene No.	13979	Strand	+
Start	121	End	423
Name	OJ990201_04.9819.C14.o1.gs	Method	GENSCAN
Start	121	End	423
GI	none	Score	.62

Exons 121..423

Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13980	Strand	+
Start	114	End	446
Name	OJ990201_04.9819.C15.o1.gs	Method	GENSCAN
Start	114	End	446
GI	none	Score	.75
Exons	114..267, 367..446		

Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13980	Strand	+
Start	114	End	446
Name	OJ990201_04.9819.C15.o1.np	Method	AAT/NAP
Start	114	End	443
GI	3192690	Score	515
Exons	114..443		
GI Descrip.	(AF064539) gp7.[Bacteriophage N15]		

Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13981	Strand	+
Start	514	End	712
Name	OJ990201_04.9819.C15.o2.np	Method	AAT/NAP
Start	514	End	712
GI	116701	Score	295
Exons	514..712		
GI Descrip.	MAJOR HEAD PROTEIN (GPE) (GP5) (MAJOR COAT PROTEIN) gi 76032 pir VHBP80 major capsid protein - phage phi-80 gi 15769 emb CAA29926 (X06751) put. major coat protein (AA 1-341) [Bacteriophage phi-80]		

Seq. No.	6646	Seq. ID	OJ990201_04.9819.C19
Gene No.	13982	Strand	+
Start	1	End	709
Name	OJ990201_04.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	616
GI	6907089	Score	96
Exons	1..229, 548..616		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6646	Seq. ID	OJ990201_04.9819.C19
Gene No.	13982	Strand	+
Start	1	End	709
Name	OJ990201_04.9819.C19.o2.np	Method	AAT/NAP
Start	403	End	709
GI	5042454	Score	96
Exons	403..481, 534..709		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6647	Seq. ID	OJ990201_04.9819.C20
Gene No.	13983	Strand	-
Start	608	End	656
Name	OJ990201_04.9819.C20.o1.gs	Method	GENSCAN
Start	608	End	656
GI	none	Score	.63
Exons	608..656		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13984	Strand	+
Start	204	End	11855
Name	OJ990201_04.9819.C26.o1.gs	Method	GENSCAN
Start	204	End	11855
GI	none	Score	.84
Exons	204..322, 432..597, 854..977, 1076..1169, 1267..1397, 1473..1554, 1661..1787, 2102..2419, 4188..4214, 4820..4930, 5802..5915, 6891..6987, 7123..7169, 7559..7672, 7757..7850, 8093..8190, 9089..9188, 10178..10254, 10557..11855		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	10881	End	11285
GI	none	Score	207
Exons	10881..11114, 10934..11113, 11145..11285		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	11007	End	11795
GI	none	Score	901
Exons	11007..11795, 11024..11452, 11037..11765, 11501..11794		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	11052	End	11693
GI	none	Score	85
Exons	11052..11123, 11067..11135, 11133..11255, 11238..11648, 11246..11440, 11501..11683, 11508..11693, 11648..11686		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.gp	Method	AAT/GAP
Start	12360	End	14013
GI	13125_1.R1084	Score	1864
Exons	12360..12875, 12976..13078, 13249..13332, 13420..13515, 13592..13642, 13734..13874, 13954..14013		
GI Descrip.	'1709129/sp P51139 MSK3_MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir_S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	12787	End	14031
GI	none	Score	66
Exons	12787..12873, 12787..12876, 12788..12877, 12953..13075, 12977..13078, 12978..13076, 13225..13341, 13226..13315,		

13248..13334, 13249..13338, 13406..13516, 13417..13518,
 13417..13518, 13419..13523, 13589..13633, 13590..13643,
 13590..13643, 13734..13874, 13735..13875, 13943..14011,
 13947..14015, 13951..14022, 13951..14031

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	12790	End	14031
GI	none	Score	88
Exons	12790..12876, 12791..12877, 12950..13075, 12983..13072, 13225..13341, 13226..13315, 13417..13518, 13421..13516, 13421..13528, 13422..13517, 13589..13633, 13590..13643, 13590..13643, 13734..13874, 13734..13874, 13735..13875, 13747..13878, 13748..13885, 13874..13951, 13943..14029, 13951..14031		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	12791	End	14031
GI	none	Score	65
Exons	12791..12886, 12808..12876, 12922..13062, 12959..13075, 12977..13069, 13225..13341, 13226..13315, 13402..13518, 13421..13516, 13581..13643, 13582..13644, 13590..13646, 13734..13874, 13738..13875, 13747..13878, 13748..13921, 13916..13933, 13951..14031, 13952..14029		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.gs	Method	GENSCAN
Start	12793	End	13874
GI	none	Score	.96
Exons	12793..12875, 12976..13078, 13249..13332, 13420..13515, 13592..13642, 13734..13874		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.np	Method	AAT/NAP
Start	12796	End	14182
GI	2191169	Score	790
Exons	12796..12888, 12965..13078, 13249..13332, 13420..13515, 13592..13642, 13734..13905, 13936..14182		

GI Descrip. (AF007270) Similar to shaggy related protein kinase. Belongs to the CDC2/CDKX subfamily [Arabidopsis thaliana]

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	12814	End	13518
GI	none	Score	63
Exons	12814..12876, 12983..13075, 13086..13130, 13246..13341,		

13249..13338, 13417..13518, 13418..13516, 13420..13518

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.gp	Method	AAT/GAP
Start	1	End	194
GI	13125_1.R1084	Score	161
Exons	1..34, 120..194		
GI Descrip.	'1709129/sp P51139 MSK3 MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir_S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	967
GI	1709129	Score	623
Exons	1..34, 120..392, 499..558, 673..741, 821..967		
GI Descrip.	GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 gi 481018 pir S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa gi 313148 emb CAA48472 (X68409) protein kinase [Medicago sativa]		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	1035
GI	none	Score	47
Exons	2..79, 4..45, 117..392, 119..394, 121..396, 499..561, 500..562, 643..768, 674..766, 842..967, 845..988, 855..977, 976..1035, 990..1031		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	5	End	946
GI	none	Score	197
Exons	5..79, 117..395, 117..392, 130..393, 133..396, 134..394, 499..561, 500..562, 617..766, 643..768, 842..946		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	117	End	907
GI	none	Score	168
Exons	117..392, 120..374, 133..411, 499..561, 500..562, 501..566, 623..766, 643..768, 842..907		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856

Name	OJ990201_04.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	117	End	741
GI	none	Score	243
Exons	117..392, 118..396, 122..418, 122..394, 497..559, 499..561, 500..559, 628..741		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.gs	Method	GENSCAN
Start	120	End	6856
GI	none	Score	.61
Exons	120..392, 499..558, 673..765, 845..922, 1741..2026, 4112..4140, 4376..4440, 5414..5508, 5531..5666, 6312..6378, 6854..6856		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o2.gp	Method	AAT/GAP
Start	361	End	1990
GI	155_1.R1084	Score	940
Exons	361..392, 499..558, 673..765, 845..1031, 1849..1990		
GI Descrip.	'1709129/sp P51139 MSK3 MEDSA 3.0e-27 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir_S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o2.np	Method	AAT/NAP
Start	4064	End	5673
GI	6539588	Score	179
Exons	4064..4122, 5428..5673		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13987	Strand	+
Start	1348	End	2461
Name	OJ990201_04.9819.C28.o1.gs	Method	GENSCAN
Start	1348	End	2461
GI	none	Score	.69
Exons	1348..1446, 2366..2461		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o1.gp	Method	AAT/GAP
Start	3425	End	3718
GI	none	Score	449
Exons	3425..3718		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o2.gs	Method	GENSCAN
Start	3624	End	5780

GI none Score .91
Exons 3624..3761, 4568..4759, 4873..5108, 5198..5780

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13988 Strand +
Start 3624 End 5838
Name OJ990201_04.9819.C28.o1.np Method AAT/NAP
Start 3687 End 5783
GI 3643085 Score 996
Exons 3687..3778, 4579..4759, 4873..5108, 5198..5783
GI Descrip. (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum
crystallinum]

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13988 Strand +
Start 3624 End 5838
Name OJ990201_04.9819.C28.o2.gp Method AAT/GAP
Start 4683 End 5838
GI 27475_1.R1084 Score 1736
Exons 4683..4759, 4873..5108, 5198..5838
GI Descrip. '3643085/gb|AAC36698| 4.0e-50 (AF075580) protein phosphatase-2C;
PP2C [Mesembryanthemum crystallinum]'

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13989 Strand +
Start 14035 End 17948
Name OJ990201_04.9819.C28.o4.gs Method GENSCAN
Start 14035 End 17948
GI none Score .66
Exons 14035..14107, 15065..15282, 17805..17948

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13990 Strand +
Start 19327 End 24120
Name OJ990201_04.9819.C28.o4.gp Method AAT/GAP
Start 19327 End 23123
GI 25231_1.R1084 Score 1066
Exons 19327..19662, 22861..23123
GI Descrip. '3928088 8.0e-26 (AC005770) putative peroxidase [Arabidopsis
thaliana]'

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13990 Strand +
Start 19327 End 24120
Name OJ990201_04.9819.C28.o3.np Method AAT/NAP
Start 19465 End 23664
GI 4760700 Score 448
Exons 19465..19662, 22861..23410, 23437..23664
GI Descrip. (AB024437) peroxidase 1 [Scutellaria baicalensis]

Seq. No. 6650 Seq. ID OJ990201_04.9819.C28
Gene No. 13990 Strand +
Start 19327 End 24120
Name OJ990201_04.9819.C28.o5.gp Method AAT/GAP
Start 23501 End 24120
GI none Score 1191
Exons 23501..24120

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13991	Strand	+
Start	24917	End	27542
Name	OJ990201_04.9819.C28.o8.gs	Method	GENSCAN
Start	24917	End	27542
GI	none	Score	.67
Exons	24917..25260, 25266..25630, 26064..26161, 26213..26327, 26642..26703, 26900..27059, 27121..27320, 27425..27542		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o3.gs	Method	GENSCAN
Start	7645	End	12999
GI	none	Score	.72
Exons	7645..7766, 7908..8007, 8105..8260, 8769..9032, 9123..9337, 9423..10232, 11318..11871, 12052..12211, 12719..12767, 12955..12999		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o2.np	Method	AAT/NAP
Start	7906	End	11909
GI	2191168	Score	604
Exons	7906..8260, 8769..9032, 9123..9368, 9400..10277, 11193..11492, 11523..11909		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o3.gp	Method	AAT/GAP
Start	9298	End	9803
GI	568359	Score	810
Exons	9298..9337, 9423..9803		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	4577	End	5858
GI	none	Score	235
Exons	4577..4762, 4594..4761, 4616..4762, 4868..5071, 4872..5108, 4873..5109, 4876..5112, 5180..5566, 5190..5573, 5191..5352, 5196..5588, 5565..5660, 5580..5651, 5624..5656, 5691..5780, 5718..5858		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	4613	End	5768
GI	none	Score	215
Exons	4613..4762, 4615..4761, 4872..5108, 4873..5109, 5180..5659,		

5196..5654, 5706..5768, 5714..5767

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	5067	End	5656
GI	none	Score	61
Exons	5067..5105, 5068..5109, 5181..5648, 5196..5648, 5201..5656		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5594
GI	none	Score	490
Exons	5262..5594, 5262..5594		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	7908	End	9043
GI	none	Score	98
Exons	7908..8000, 7924..8016, 7927..8016, 8099..8260, 8102..8260, 8106..8261, 8760..9038, 8768..9043, 8770..9039		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	7918	End	9218
GI	none	Score	83
Exons	7918..8010, 8117..8254, 8196..8258, 8764..9045, 8778..9044, 9120..9218, 9124..9216		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.tc	Method	TBLASTX:Cress
Start	8838	End	9335
GI	none	Score	111
Exons	8838..9044, 8863..9033, 9120..9251, 9132..9242, 9309..9335		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o4.tm	Method	TBLASTX:Maize
Start	9661	End	10223
GI	none	Score	106
Exons	9661..9807, 9671..9808, 9672..9851, 9889..9933, 9910..9948, 9911..10090, 9914..10132, 9915..10133, 9991..10137, 9993..10136, 10134..10223, 10134..10220		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676

Name	OJ990201_04.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	19536	End	23676
GI	none	Score	65
Exons	19536..19607, 19537..19662, 19539..19661, 22845..23135, 22855..23163, 23137..23466, 23139..23405, 23421..23558, 23424..23558, 23434..23676, 23476..23616		
Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o2.tc	Method	TBLASTX:Cress
Start	19537	End	23274
GI	none	Score	84
Exons	19537..19662, 22855..23055, 22989..23039, 23050..23274, 23079..23126, 23205..23273		
Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.ts	Method	TBLASTX:Soybean
Start	19537	End	23274
GI	none	Score	93
Exons	19537..19662, 22845..22877, 22855..22893, 22912..23049, 22989..23039, 23050..23274		
Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o7.gs	Method	GENSCAN
Start	22807	End	23646
GI	none	Score	.96
Exons	22807..23646		
Seq. No.	6651	Seq. ID	OJ990201_04.9819.C29
Gene No.	13994	Strand	+
Start	242	End	358
Name	OJ990201_04.9819.C29.o1.gs	Method	GENSCAN
Start	242	End	358
GI	none	Score	.47
Exons	242..358		
Seq. No.	6651	Seq. ID	OJ990201_04.9819.C29
Gene No.	13995	Strand	-
Start	3168	End	4213
Name	OJ990201_04.9819.C29.o2.gs	Method	GENSCAN
Start	3168	End	4213
GI	none	Score	.5
Exons	3168..3310, 3328..3601, 3960..4213		
Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.gs	Method	GENSCAN
Start	263	End	2443
GI	none	Score	.77
Exons	263..2443		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.np	Method	AAT/NAP
Start	263	End	2441
GI	6016874	Score	1796
Exons	263..341, 425..562, 627..859, 1250..1409, 1803..1982, 2100..2441		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	611	End	1057
GI	none	Score	69
Exons	611..697, 683..961, 706..891, 962..1024, 1019..1057		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.gp	Method	AAT/GAP
Start	952	End	1460
GI	uC-osflcyp110c07b1	Score	958
Exons	952..1460		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o3.tm	Method	TBLASTX:Maize
Start	1151	End	1465
GI	none	Score	65
Exons	1151..1225, 1238..1465, 1246..1464		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o4.tm	Method	TBLASTX:Maize
Start	1670	End	2022
GI	none	Score	239
Exons	1670..1951, 1681..2022		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	2134	End	2377
GI	none	Score	282
Exons	2134..2292, 2144..2377		

Seq. No.	6653	Seq. ID	OJ990201_04.9819.C31
Gene No.	13997	Strand	+
Start	1	End	1382

Name	OJ990201_04.9819.C31.ol.np	Method	AAT/NAP
Start	1	End	1382
GI	6016874	Score	189
Exons	1..238, 1115..1382		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	6654	Seq. ID	OJ990201_04.9819.C32
Gene No.	13998	Strand	+
Start	596	End	671
Name	OJ990201_04.9819.C32.ol.gp	Method	AAT/GAP
Start	596	End	671
GI	27475_1.R1084	Score	99
Exons	596..671		
GI Descrip.	'3643085/gb AAC36698 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		
Seq. No.	6655	Seq. ID	OJ990201_04.9819.C33
Gene No.	13999	Strand	-
Start	269	End	634
Name	OJ990201_04.9819.C33.ol.gs	Method	GENSCAN
Start	269	End	634
GI	none	Score	1
Exons	269..634		
Seq. No.	6656	Seq. ID	OJ990201_04.9819.C34
Gene No.	14000	Strand	+
Start	337	End	647
Name	OJ990201_04.9819.C34.ol.gs	Method	GENSCAN
Start	337	End	647
GI	none	Score	.54
Exons	337..647		
Seq. No.	6657	Seq. ID	OJ990201_04.9819.C35
Gene No.	14001	Strand	+
Start	132	End	743
Name	OJ990201_04.9819.C35.ol.np	Method	AAT/NAP
Start	132	End	743
GI	6907089	Score	789
Exons	132..743		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	6658	Seq. ID	OJ990201_04.9819.C36
Gene No.	14002	Strand	+
Start	1	End	1158
Name	OJ990201_04.9819.C36.ol.np	Method	AAT/NAP
Start	1	End	1158
GI	6539586	Score	1231
Exons	1..1158		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	6658	Seq. ID	OJ990201_04.9819.C36
Gene No.	14002	Strand	+
Start	1	End	1158
Name	OJ990201_04.9819.C36.ol.gs	Method	GENSCAN
Start	123	End	987

GI	none	Score	.81
Exons	123..161, 180..329, 589..987		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14003	Strand	+
Start	85	End	231
Name	OJ990201_04.9819.C37.o1.gs	Method	GENSCAN
Start	85	End	231
GI	none	Score	.99
Exons	85..231		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o2.gs	Method	GENSCAN
Start	852	End	2182
GI	none	Score	.51
Exons	852..2182		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.np	Method	AAT/NAP
Start	855	End	2316
GI	6498441	Score	2159
Exons	855..1136, 1230..2316		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o2.tw	Method	TBLASTX:Wheat
Start	864	End	1472
GI	none	Score	69
Exons	864..989, 868..990, 1177..1461, 1182..1472		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	1593	End	1982
GI	none	Score	192
Exons	1593..1982, 1669..1959		
Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	1623	End	1985
GI	none	Score	80
Exons	1623..1670, 1653..1865, 1662..1985, 1675..1956		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14005	Strand	+
Start	3333	End	3538

Name	OJ990201_04.9819.C38.o2.np	Method	AAT/NAP
Start	3333	End	3538
GI	4680186	Score	253
Exons	3333..3538		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	2334
GI	6498441	Score	2559
Exons	1..335, 507..1230, 1405..1539, 1722..2095, 2159..2334		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.gs	Method	GENSCAN
Start	117	End	3288
GI	none	Score	.73
Exons	117..1539, 1722..2095, 2242..2376, 3217..3288		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.gp	Method	AAT/GAP
Start	3085	End	3466
GI	uC-osflcyp033a04b1	Score	671
Exons	3085..3466		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o3.tw	Method	TBLASTX:Wheat
Start	201	End	659
GI	none	Score	87
Exons	201..350, 202..339, 394..570, 411..635, 438..659		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	1068	End	1469
GI	none	Score	90
Exons	1068..1469, 1279..1422		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	1104	End	2951
GI	none	Score	310

Exons 1104..1517, 1105..1518, 2907..2951

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	1191	End	1575
GI	none	Score	231
Exons	1191..1571, 1210..1575		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	1602	End	1957
GI	none	Score	176
Exons	1602..1640, 1644..1922, 1652..1957		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	1629	End	2087
GI	none	Score	218
Exons	1629..1871, 1631..2086, 1634..2086, 1638..2087		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	1682	End	2047
GI	none	Score	117
Exons	1682..1816, 1823..2047		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o3.np	Method	AAT/NAP
Start	3928	End	4465
GI	6907087	Score	152
Exons	3928..4029, 4409..4465		

GI Descrip. (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39
Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	6498441	Score	1004
Exons	1..110, 350..575, 906..1398		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39
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Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.ol.gs	Method	GENSCAN
Start	313	End	1326
GI	none	Score	.48
Exons	313..1326		

Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39
Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.ol.tw	Method	TBLASTX:Wheat
Start	346	End	691
GI	none	Score	109
Exons	346..690, 347..496, 361..690, 518..691		

Seq. No.	6662	Seq. ID	OJ990201_04.9819.C40
Gene No.	14009	Strand	-
Start	1	End	1963
Name	OJ990201_04.9819.C40.ol.np	Method	AAT/NAP
Start	1	End	1963
GI	5042454	Score	703
Exons	1..638, 691..789, 1905..1963		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6662	Seq. ID	OJ990201_04.9819.C40
Gene No.	14009	Strand	-
Start	1	End	1963
Name	OJ990201_04.9819.C40.ol.gs	Method	GENSCAN
Start	60	End	1498
GI	none	Score	.45
Exons	60..638, 691..897, 1270..1313, 1429..1498		

Seq. No.	6663	Seq. ID	OJ990201_04.9819.C43
Gene No.	14010	Strand	+
Start	82	End	421
Name	OJ990201_04.9819.C43.ol.np	Method	AAT/NAP
Start	82	End	421
GI	6907087	Score	247
Exons	82..421		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6664	Seq. ID	OJ990201_04.9819.C44
Gene No.	14011	Strand	+
Start	73	End	845
Name	OJ990201_04.9819.C44.ol.np	Method	AAT/NAP
Start	73	End	845
GI	6907087	Score	537
Exons	73..458, 509..845		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6664	Seq. ID	OJ990201_04.9819.C44
Gene No.	14012	Strand	-
Start	257	End	685

Name OJ990201_04.9819.C44.o1.gs
 Start 257
 GI none
 Exons 257..685

Method GENSCAN
 End 685
 Score .6

Seq. No. 6665
 Gene No. 14013
 Start 294
 Name OJ990301_08.9819.C3.o1.gs
 Start 294
 GI none
 Exons 294..364

Seq. ID OJ990301_08.9819.C3
 Strand -
 End 364
 Method GENSCAN
 End 364
 Score .62

Seq. No. 6666
 Gene No. 14014
 Start 337
 Name OJ990301_08.9819.C4.o1.gs
 Start 337
 GI none
 Exons 337..528

Seq. ID OJ990301_08.9819.C4
 Strand +
 End 528
 Method GENSCAN
 End 528
 Score .56

Seq. No. 6667
 Gene No. 14015
 Start 624
 Name OJ990301_08.9819.C8.o1.gs
 Start 624
 GI none
 Exons 624..743

Seq. ID OJ990301_08.9819.C8
 Strand +
 End 743
 Method GENSCAN
 End 743
 Score .49

Seq. No. 6668
 Gene No. 14016
 Start 87
 Name OJ990301_08.9819.C9.o1.np
 Start 87
 GI 4680186
 Exons 87..247, 715..770
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990301_08.9819.C9
 Strand +
 End 770
 Method AAT/NAP
 End 770
 Score 170

Seq. No. 6669
 Gene No. 14017
 Start 599
 Name OJ990301_08.9819.C11.o1.gs
 Start 599
 GI none
 Exons 599..697

Seq. ID OJ990301_08.9819.C11
 Strand -
 End 697
 Method GENSCAN
 End 697
 Score .44

Seq. No. 6670
 Gene No. 14018
 Start 1112
 Name OJ990301_08.9819.C17.o1.gs
 Start 1112
 GI none
 Exons 1112..1173, 1537..1609

Seq. ID OJ990301_08.9819.C17
 Strand -
 End 1609
 Method GENSCAN
 End 1609
 Score .41

Seq. No. 6671
 Gene No. 14019
 Start 861

Seq. ID OJ990301_08.9819.C18
 Strand +
 End 3497

Name	OJ990301_08.9819.C18.o1.gs	Method	GENSCAN
Start	861	End	3497
GI	none	Score	.86
Exons	861..964, 1644..1716, 3379..3497		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o1.gp	Method	AAT/GAP
Start	4232	End	5744
GI	1050_1.R1084	Score	2030
Exons	4232..4451, 4556..4665, 5022..5744		
GI Descrip.	'2224915 1.0e-157 (U95968) beta-expansin [Oryza sativa]'		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o1.np	Method	AAT/NAP
Start	4301	End	5543
GI	2224915	Score	1355
Exons	4301..4451, 4556..4665, 5022..5543		
GI Descrip.	(U95968) beta-expansin [Oryza sativa]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o2.gs	Method	GENSCAN
Start	4301	End	9415
GI	none	Score	.46
Exons	4301..4451, 4462..4665, 5022..5663, 5956..6131, 8898..9068, 9404..9415		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o2.gp	Method	AAT/GAP
Start	10209	End	11010
GI	62731_1.R1084	Score	953
Exons	10209..10494, 10599..10708, 10881..11010		
GI Descrip.	'2224915 8.0e-37 (U95968) beta-expansin [Oryza sativa]'		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o2.np	Method	AAT/NAP
Start	10317	End	11405
GI	4099919	Score	864
Exons	10317..10494, 10599..10722, 10889..11405		
GI Descrip.	(U91981) pollen allergen homolog [Triticum aestivum]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o3.gs	Method	GENSCAN
Start	10317	End	11408
GI	none	Score	.95
Exons	10317..10494, 10599..10708, 10881..11408		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14022	Strand	+
Start	26836	End	29862
Name	OJ990301_08.9819.C18.o8.gs	Method	GENSCAN
Start	26836	End	29862
GI	none	Score	.55
Exons	26836..26882, 28202..28274, 28882..28977, 29722..29862		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14023	Strand	-
Start	16781	End	18764
Name	OJ990301_08.9819.C18.o3.np	Method	AAT/NAP
Start	16781	End	18764
GI	2979555	Score	165
Exons	16781..16804, 18372..18764		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14024	Strand	-
Start	21131	End	22733
Name	OJ990301_08.9819.C18.o6.gs	Method	GENSCAN
Start	21131	End	22733
GI	none	Score	.8
Exons	21131..21305, 21728..21840, 21917..22255, 22656..22733		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	4297	End	10943
GI	none	Score	43
Exons	4297..4344, 4310..4369, 4391..4453, 4393..4452, 4554..4664, 4555..4668, 4622..4669, 5016..5084, 5021..5086, 10311..10436, 10401..10496, 10427..10495, 10435..10497, 10456..10539, 10604..10648, 10615..10713, 10616..10714, 10878..10943		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4355	End	11411
GI	none	Score	121
Exons	4355..4453, 4390..4452, 4549..4665, 4554..4682, 4555..4668, 5016..5357, 5021..5338, 5271..5360, 5346..5423, 5348..5536, 5349..5540, 10391..10495, 10395..10496, 10435..10497, 10606..10704, 10607..10648, 10615..10713, 10616..10714, 10868..11059, 10878..11411, 10880..11407		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	4382	End	11405
GI	none	Score	74
Exons	4382..4444, 4543..4638, 4585..4668, 5016..5081, 5027..5080, 5096..5350, 5100..5351, 5367..5456, 5456..5497, 5457..5540,		

10359..10487, 10622..10714, 10878..10940, 10904..10939,
10955..11137, 10959..11198, 11220..11312, 11319..11405

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	5087	End	11423
GI	none	Score	87
Exons	5087..5140, 5087..5335, 5088..5339, 5316..5426, 5367..5549, 5369..5548, 10946..11059, 10946..11137, 10947..11204, 10977..11204, 11220..11423, 11222..11404		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o7.gs	Method	GENSCAN
Start	23566	End	25555
GI	none	Score	.58
Exons	23566..23741, 24149..24334, 24375..24443, 24596..24728, 24826..24974, 25074..25148, 25378..25555		

Seq. No.	6672	Seq. ID	OJ990301_08.9819.C19
Gene No.	14026	Strand	-
Start	472	End	570
Name	OJ990301_08.9819.C19.o1.gs	Method	GENSCAN
Start	472	End	570
GI	none	Score	.49
Exons	472..570		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4263784	Score	210
Exons	1..307, 590..751		
GI Descrip.	(AC006068) putative glycogenin [Arabidopsis thaliana]		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	82	End	307
GI	none	Score	152
Exons	82..294, 98..307		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	88	End	307
GI	none	Score	171
Exons	88..111, 93..293, 98..307		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-

Start	1	End	751
Name	OJ990301_08.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	88	End	299
GI	none	Score	114
Exons	88..270, 88..276, 92..295, 93..299, 98..292, 102..299		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4263784	Score	238
Exons	1..473, 619..729		
GI Descrip.	(AC006068) putative glycogenin [Arabidopsis thaliana]		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	237	End	462
GI	none	Score	159
Exons	237..449, 251..460, 253..462		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	243	End	462
GI	none	Score	195
Exons	243..452, 248..448, 253..462		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	243	End	454
GI	none	Score	117
Exons	243..425, 243..431, 247..450, 248..454, 253..447, 257..454		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14029	Strand	+
Start	85	End	2169
Name	OJ990301_08.9819.C25.o1.gs	Method	GENSCAN
Start	85	End	2169
GI	none	Score	.56
Exons	85..197, 485..553, 757..825, 1633..1887, 2052..2169		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14029	Strand	+
Start	85	End	2169
Name	OJ990301_08.9819.C25.o1.gp	Method	AAT/GAP
Start	1229	End	1708
GI	none	Score	925
Exons	1229..1708		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-

Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	1585	End	2110
GI	none	Score	584
Exons	1585..2100, 1586..2110, 1586..2101		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.np	Method	AAT/NAP
Start	1591	End	5847
GI	2245015	Score	1163
Exons	1591..2123, 2473..2674, 3345..3606, 4437..4626, 5708..5847		
GI Descrip.	(Z97341) glucosyltransferase like protein [Arabidopsis thaliana]		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.ts	Method	TBLASTX:Soybean
Start	1648	End	2131
GI	none	Score	146
Exons	1648..1803, 1685..1903, 1758..1904, 1843..1905, 1900..2025, 1901..1963, 2023..2130, 2024..2131		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	2023	End	2551
GI	none	Score	157
Exons	2023..2130, 2233..2382, 2235..2381, 2253..2384, 2480..2551		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	2259	End	2681
GI	none	Score	140
Exons	2259..2381, 2260..2382, 2470..2652, 2470..2658, 2474..2677, 2475..2681, 2480..2674, 2484..2681		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	2298	End	4582
GI	none	Score	96
Exons	2298..2381, 2299..2382, 2470..2679, 2475..2675, 2480..2689, 3345..3530, 3349..3495, 3350..3496, 3549..3602, 4436..4582, 4440..4580		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	2307	End	3401
GI	none	Score	53

Exons 2307..2381, 2308..2355, 2464..2676, 2478..2687, 2480..2689, 3345..3401, 3346..3399

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.gs	Method	GENSCAN
Start	2468	End	4759
GI	none	Score	.95
Exons	2468..2674, 3345..3606, 4437..4759		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.gp	Method	AAT/GAP
Start	3313	End	4610
GI	uC-osflcyp172h02b1	Score	806
Exons	3313..3606, 4437..4610		
GI Descrip.	'2245015/emb CAB10435.1 3.0e-55 (Z97341) glucosyltransferase like protein [Arabidopsis thaliana]'		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.tc	Method	TBLASTX:Cress
Start	3498	End	4613
GI	none	Score	156
Exons	3498..3530, 3552..3602, 4436..4612, 4446..4613		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o3.ts	Method	TBLASTX:Soybean
Start	3549	End	4597
GI	none	Score	131
Exons	3549..3602, 4436..4597, 4440..4592		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14031	Strand	+
Start	1	End	1429
Name	OJ990301_08.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1429
GI	6069646	Score	118
Exons	1..26, 1262..1429		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14031	Strand	+
Start	1	End	1429
Name	OJ990301_08.9819.C26.o1.gs	Method	GENSCAN
Start	337	End	516
GI	none	Score	.86
Exons	337..516		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14032	Strand	+
Start	7054	End	8959
Name	OJ990301_08.9819.C26.o3.gs	Method	GENSCAN
Start	7054	End	8959
GI	none	Score	.94
Exons	7054..7620, 7709..7945, 8039..8128, 8459..8566, 8852..8959		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14032	Strand	+
Start	7054	End	8959
Name	OJ990301_08.9819.C26.o2.gp	Method	AAT/GAP
Start	7860	End	8560
GI	none	Score	475
Exons	7860..7945, 8039..8128, 8459..8560		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14033	Strand	+
Start	12013	End	14500
Name	OJ990301_08.9819.C26.o5.gs	Method	GENSCAN
Start	12013	End	14500
GI	none	Score	.42
Exons	12013..12024, 13354..13588, 13911..14072, 14289..14500		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14034	Strand	+
Start	16319	End	16745
Name	OJ990301_08.9819.C26.o4.gp	Method	AAT/GAP
Start	16319	End	16745
GI	4878407	Score	676
Exons	16319..16745		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14035	Strand	+
Start	20362	End	22970
Name	OJ990301_08.9819.C26.o2.np	Method	AAT/NAP
Start	20339	End	22970
GI	6227010	Score	743
Exons	20339..20900, 21054..21124, 21216..21365, 22104..22189, 22268..22400, 22493..22666, 22770..22970		
GI Descrip.	(AC009513) Similar to gb U87147 flavin-containing monooxygenase 3 from Mus musculus and is a member of the PF 00743 Flavin-binding monooxygenase-like family. [Arabidopsis thaliana]		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14035	Strand	+
Start	20362	End	22970
Name	OJ990301_08.9819.C26.o7.gs	Method	GENSCAN
Start	20362	End	22925
GI	none	Score	.94
Exons	20362..20900, 22268..22400, 22493..22666, 22722..22925		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14036	Strand	+

Start	23574	End	27733
Name	OJ990301_08.9819.C26.o8.gs	Method	GENSCAN
Start	23574	End	27733
GI	none	Score	.54
Exons	23574..23586, 24338..24408, 24497..24553, 24591..24735, 25634..25732, 27606..27733		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14037	Strand	-
Start	45	End	521
Name	OJ990301_08.9819.C26.o1.gp	Method	AAT/GAP
Start	45	End	521
GI	none	Score	835
Exons	45..521		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14038	Strand	-
Start	10418	End	10993
Name	OJ990301_08.9819.C26.o4.gs	Method	GENSCAN
Start	10418	End	10921
GI	none	Score	1
Exons	10418..10921		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14038	Strand	-
Start	10418	End	10993
Name	OJ990301_08.9819.C26.o3.gp	Method	AAT/GAP
Start	10541	End	10993
GI	uC-osrocyp013d05b1	Score	795
Exons	10541..10993		
GI Descrip.	'1084461/pir S53012 6.0e-15 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	10415	End	10676
GI	none	Score	163
Exons	10415..10669, 10416..10676		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	10418	End	10669
GI	none	Score	143
Exons	10418..10669, 10422..10667		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	10419	End	10691
GI	none	Score	311
Exons	10419..10691, 10424..10669		

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o2.tw
 Start 10424
 GI none
 Exons 10424..10666, 10425..10673

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Wheat
 End 10673
 Score 185

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o6.gs
 Start 15175
 GI none
 Exons 15175..15524, 16165..16290, 16448..16609, 16637..16721, 16856..17047, 18585..19061, 19416..19484

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method GENSCAN
 End 19484
 Score .55

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o4.tw
 Start 17261
 GI none
 Exons 17261..17698

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Wheat
 End 17698
 Score 238

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o6.tm
 Start 17612
 GI none
 Exons 17612..17671, 17705..18001

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Maize
 End 18001
 Score 173

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o1.tw
 Start 18099
 GI none
 Exons 18099..18530, 18100..18477

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Wheat
 End 18530
 Score 178

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o4.ts
 Start 18120
 GI none
 Exons 18120..18338, 18226..18318, 18522..18680, 18523..18669

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Soybean
 End 18680
 Score 56

Seq. No. 6676
 Gene No. 14039
 Start 15175
 Name OJ990301_08.9819.C26.o1.tm
 Start 18285
 GI none
 Exons 18285..19190, 18286..18762, 18805..19077, 18837..19115

Seq. ID OJ990301_08.9819.C26
 Strand -
 End 19484
 Method TBLASTX:Maize
 End 19190
 Score 191

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o3.tw	Method	TBLASTX:Wheat
Start	18609	End	18950
GI	none	Score	82
Exons	18609..18761, 18610..18750, 18762..18950, 18763..18948		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o5.tw	Method	TBLASTX:Wheat
Start	18951	End	19223
GI	none	Score	66
Exons	18951..19223, 18955..19077, 19099..19158		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	-
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o5.tm	Method	TBLASTX:Maize
Start	20374	End	20760
GI	none	Score	114
Exons	20374..20472, 20416..20517, 20502..20639, 20539..20619, 20643..20759, 20644..20760		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	-
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	20380	End	20700
GI	none	Score	117
Exons	20380..20439, 20416..20526, 20436..20525, 20532..20612, 20536..20619, 20641..20700, 20643..20666		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	-
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	20416	End	20778
GI	none	Score	118
Exons	20416..20526, 20514..20606, 20536..20655, 20628..20777, 20647..20778		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14041	Strand	-
Start	20852	End	21374
Name	OJ990301_08.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	20852	End	21368
GI	none	Score	58
Exons	20852..20902, 21016..21114, 21019..21123, 21044..21124, 21047..21202, 21051..21137, 21213..21368, 21218..21367		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14041	Strand	-
Start	20852	End	21374
Name	OJ990301_08.9819.C26.o5.ts	Method	TBLASTX:Soybean

Start	21065	End	21374
GI	none	Score	119
Exons	21065..21127, 21070..21120, 21213..21317, 21327..21374		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	22164	End	22895
GI	none	Score	56
Exons	22164..22217, 22269..22307, 22304..22390, 22305..22400, 22484..22660, 22767..22895		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	22265	End	22895
GI	none	Score	223
Exons	22265..22399, 22266..22400, 22266..22400, 22267..22401, 22490..22678, 22767..22895, 22767..22874		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o3.tc	Method	TBLASTX:Cress
Start	22304	End	22654
GI	none	Score	122
Exons	22304..22393, 22305..22394, 22502..22654		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14043	Strand	+
Start	1273	End	5262
Name	OJ990301_08.9819.C27.o1.gs	Method	GENSCAN
Start	1273	End	5262
GI	none	Score	.79
Exons	1273..2358, 3594..3647, 4398..5262		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14043	Strand	+
Start	1273	End	5262
Name	OJ990301_08.9819.C27.o1.np	Method	AAT/NAP
Start	1439	End	5259
GI	602292	Score	1777
Exons	1439..2358, 4398..5259		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14044	Strand	+
Start	5197	End	5775
Name	OJ990301_08.9819.C27.o1.gp	Method	AAT/GAP
Start	5197	End	5775
GI	none	Score	1050
Exons	5197..5775		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14045	Strand	+

Start 8751
 Name OJ990301_08.9819.C27.o2.gp
 Start 8751
 GI none
 Exons 8751..9250

End 9250
 Method AAT/GAP
 End 9250
 Score 856

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o4.tm
 Start 1457
 GI none
 Exons 1457..1711, 1540..1710, 1708..1815, 1709..1846

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Maize
 End 1846
 Score 329

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o2.ts
 Start 1463
 GI none
 Exons 1463..1831, 1543..1830

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Soybean
 End 1831
 Score 491

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o1.tc
 Start 1475
 GI none
 Exons 1475..1858, 1540..1830, 1937..2032, 1942..2016, 1994..2359, 2002..2247, 2323..2358, 4396..4686, 4497..4604, 4606..4824, 4731..4823, 4867..5058, 4869..5060, 5080..5262, 5133..5201

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Cress
 End 5262
 Score 492

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o2.tw
 Start 1490
 GI none
 Exons 1490..1768, 1550..1657, 1627..1764

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Wheat
 End 1768
 Score 207

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o6.ts
 Start 1972
 GI none
 Exons 1972..2097, 1991..2218, 2149..2205

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Soybean
 End 2218
 Score 248

Seq. No. 6677
 Gene No. 14046
 Start 6331
 Name OJ990301_08.9819.C27.o6.tm
 Start 2000
 GI none
 Exons 2000..2284, 2006..2092, 2014..2202

Seq. ID OJ990301_08.9819.C27
 Strand -
 End 12511
 Method TBLASTX:Maize
 End 2284
 Score 251

Seq. No. 6677

Seq. ID OJ990301_08.9819.C27

Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	4447	End	5247
GI	none	Score	473
Exons	4447..4824, 4497..4823, 4861..5058, 4863..5057, 5080..5205, 5218..5247		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	4582	End	5193
GI	none	Score	241
Exons	4582..4824, 4731..4814, 4860..5054, 4861..5064, 5065..5193		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	4864	End	5199
GI	none	Score	151
Exons	4864..5076, 4866..5054, 5077..5199		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.gs	Method	GENSCAN
Start	6331	End	12511
GI	none	Score	.82
Exons	6331..6397, 8038..8155, 9102..9270, 9543..9656, 9737..9973, 10056..10196, 10350..10517, 10734..10889, 11098..11522, 11862..11949, 12158..12511		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.np	Method	AAT/NAP
Start	8244	End	12511
GI	3892709	Score	1421
Exons	8244..8273, 9543..9656, 9737..9973, 10056..10196, 10350..10517, 10734..10889, 11098..11312, 11376..11520, 12041..12511		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.tc	Method	TBLASTX:Cress
Start	9122	End	10112
GI	none	Score	121
Exons	9122..9283, 9130..9270, 9134..9295, 9538..9660, 9542..9661, 9546..9662, 9735..9842, 9737..9844, 9867..9950, 9872..9958, 10053..10112, 10063..10110		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511

Name	OJ990301_08.9819.C27.o9.tm	Method	TBLASTX:Maize
Start	9123	End	9270
GI	none	Score	78
Exons	9123..9212, 9123..9212, 9124..9216, 9124..9216, 9134..9220, 9220..9270, 9221..9265, 9222..9269		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o5.ts	Method	TBLASTX:Soybean
Start	9220	End	9947
GI	none	Score	71
Exons	9220..9270, 9221..9283, 9546..9662, 9550..9609, 9735..9839, 9737..9838, 9872..9946, 9885..9947		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o8.tm	Method	TBLASTX:Maize
Start	9540	End	9721
GI	none	Score	108
Exons	9540..9662, 9541..9615, 9541..9711, 9542..9721		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.tm	Method	TBLASTX:Maize
Start	9749	End	10380
GI	none	Score	172
Exons	9749..9979, 9749..9976, 10053..10199, 10054..10197, 10055..10198, 10342..10380, 10347..10379		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o4.ts	Method	TBLASTX:Soybean
Start	10068	End	10531
GI	none	Score	61
Exons	10068..10199, 10081..10197, 10342..10530, 10347..10529, 10349..10531		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.tc	Method	TBLASTX:Cress
Start	10113	End	11299
GI	none	Score	234
Exons	10113..10187, 10179..10274, 10305..10538, 10342..10518, 10347..10520, 10728..10889, 10728..10892, 10729..10890, 11097..11252, 11097..11270, 11098..11298, 11099..11299		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o7.tm	Method	TBLASTX:Maize
Start	10381	End	10775
GI	none	Score	201

Exons	10381..10521, 10383..10520, 10728..10775, 10728..10775		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.ts	Method	TBLASTX:Soybean
Start	10770	End	11301
GI	none	Score	89
Exons	10770..10889, 10773..10892, 10774..10890, 11097..11273, 11097..11273, 11098..11274, 11098..11301, 11099..11299		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.tm	Method	TBLASTX:Maize
Start	11096	End	12199
GI	none	Score	319
Exons	11096..11320, 11097..11405, 11098..11415, 11099..11401, 11400..11516, 11401..11526, 11418..11516, 11480..11524, 11863..11919, 11864..11920, 12146..12199, 12148..12198		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o5.tm	Method	TBLASTX:Maize
Start	12200	End	12490
GI	none	Score	255
Exons	12200..12490, 12201..12428		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	3892709	Score	158
Exons	1..147, 999..1248		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.gs	Method	GENSCAN
Start	499	End	1248
GI	none	Score	.6
Exons	499..700, 880..1248		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	1006	End	1261
GI	none	Score	117
Exons	1006..1098, 1007..1099, 1213..1248, 1214..1261		
Seq. No.	6679	Seq. ID	OJ990301_08.9819.C30
Gene No.	14048	Strand	
Start	68	End	341

Name OJ990301_08.9819.C30.ol.tm
 Start 68
 GI none
 Exons 68..187, 69..341, 209..328

Method TBLASTX:Maize
 End 341
 Score 179

Seq. No. 6679
 Gene No. 14048
 Start 68
 Name OJ990301_08.9819.C30.ol.tw
 Start 69
 GI none
 Exons 69..341, 71..340

Seq. ID OJ990301_08.9819.C30
 Strand
 End 341
 Method TBLASTX:Wheat
 End 341
 Score 238

Seq. No. 6680
 Gene No. 14049
 Start 1
 Name OJ990301_08.9819.C33.ol.np
 Start 1
 GI 4680186
 Exons 1..138, 583..736, 1544..1664
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990301_08.9819.C33
 Strand -
 End 1664
 Method AAT/NAP
 End 1664
 Score 158

Seq. No. 6680
 Gene No. 14049
 Start 1
 Name OJ990301_08.9819.C33.ol.gs
 Start 23
 GI none
 Exons 23..121, 550..748

Seq. ID OJ990301_08.9819.C33
 Strand -
 End 1664
 Method GENSCAN
 End 748
 Score .58

Seq. No. 6680
 Gene No. 14049
 Start 1
 Name OJ990301_08.9819.C33.ol.tw
 Start 956
 GI none
 Exons 956..1393

Seq. ID OJ990301_08.9819.C33
 Strand -
 End 1664
 Method TBLASTX:Wheat
 End 1393
 Score 234

Seq. No. 6681
 Gene No. 14050
 Start 1185
 Name OJ990301_08.9819.C35.ol.np
 Start 1185
 GI 2346986
 Exons 1185..1330, 1451..1706, 1789..2282
 GI Descrip. (AB006605) ZPT3-3 [Petunia x hybrida]

Seq. ID OJ990301_08.9819.C35
 Strand +
 End 2282
 Method AAT/NAP
 End 2282
 Score 366

Seq. No. 6681
 Gene No. 14050
 Start 1185
 Name OJ990301_08.9819.C35.ol.gs
 Start 1185
 GI none
 Exons 1185..1605, 1714..2264

Seq. ID OJ990301_08.9819.C35
 Strand +
 End 2282
 Method GENSCAN
 End 2264
 Score .71

Seq. No. 6681
 Gene No. 14051

Seq. ID OJ990301_08.9819.C35
 Strand +

Start	3201	End	5687
Name	OJ990301_08.9819.C35.o2.gs	Method	GENSCAN
Start	3201	End	5687
GI	none	Score	.45
Exons	3201..3385, 4110..4141, 5482..5687		

Seq. No.	6681	Seq. ID	OJ990301_08.9819.C35
Gene No.	14052	Strand	+
Start	7522	End	8539
Name	OJ990301_08.9819.C35.o3.gs	Method	GENSCAN
Start	7522	End	8539
GI	none	Score	.96
Exons	7522..7824, 7905..7964, 8071..8183, 8471..8539		

Seq. No.	6682	Seq. ID	OJ990301_08.9819.C37
Gene No.	14053	Strand	-
Start	1	End	126
Name	OJ990301_08.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	126
GI	3892709	Score	64
Exons	1..126		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	6682	Seq. ID	OJ990301_08.9819.C37
Gene No.	14054	Strand	-
Start	782	End	918
Name	OJ990301_08.9819.C37.o1.gs	Method	GENSCAN
Start	782	End	918
GI	none	Score	.4
Exons	782..918		

Seq. No.	6683	Seq. ID	OJ990301_08.9819.C41
Gene No.	14055	Strand	-
Start	24	End	1207
Name	OJ990301_08.9819.C41.o1.gs	Method	GENSCAN
Start	24	End	1207
GI	none	Score	.92
Exons	24..148, 1050..1207		

Seq. No.	6684	Seq. ID	OJ990301_08.9819.C44
Gene No.	14056	Strand	+
Start	322	End	446
Name	OJ990301_08.9819.C44.o1.gs	Method	GENSCAN
Start	322	End	446
GI	none	Score	.46
Exons	322..446		

Seq. No.	6685	Seq. ID	OJ990301_08.9819.C45
Gene No.	14057	Strand	+
Start	283	End	677
Name	OJ990301_08.9819.C45.o1.gp	Method	AAT/GAP
Start	283	End	677
GI	5056137	Score	598
Exons	283..677		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+

Start	221	End	737
Name	OJ990301_08.9819.C49.ol.tc	Method	TBLASTX:Cress
Start	111	End	261
GI	none	Score	224
Exons	111..260, 112..261, 114..260, 115..261		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+
Start	221	End	737
Name	OJ990301_08.9819.C49.ol.gs	Method	GENSCAN
Start	221	End	640
GI	none	Score	1
Exons	221..640		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+
Start	221	End	737
Name	OJ990301_08.9819.C49.ol.np	Method	AAT/NAP
Start	221	End	737
GI	5103193	Score	843
Exons	221..737		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi 5738084 gb AAD50242.1 AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.ol.np	Method	AAT/NAP
Start	1	End	757
GI	602292	Score	416
Exons	1..122, 333..757		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.ol.tc	Method	TBLASTX:Cress
Start	332	End	676
GI	none	Score	265
Exons	332..556, 334..528, 635..676		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.ol.tm	Method	TBLASTX:Maize
Start	334	End	611
GI	none	Score	85
Exons	334..408, 350..409, 406..513, 407..544, 564..611		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.ol.ts	Method	TBLASTX:Soybean
Start	334	End	529
GI	none	Score	244
Exons	334..528, 350..529		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.gs	Method	GENSCAN
Start	386	End	736
GI	none	Score	.78
Exons	386..736		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o4.gs	Method	GENSCAN
Start	10715	End	15733
GI	none	Score	.81
Exons	10715..10754, 11003..11261, 11462..11545, 12065..12099, 13419..13527, 13618..13929, 14224..15733		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o2.np	Method	AAT/NAP
Start	13364	End	15509
GI	6692260	Score	877
Exons	13364..13400, 14361..15325, 15435..15509		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o3.gp	Method	AAT/GAP
Start	14161	End	14665
GI	none	Score	990
Exons	14161..14665		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14061	Strand	+
Start	21249	End	21328
Name	OJ990301_09.9819.C1.o5.gp	Method	AAT/GAP
Start	21249	End	21328
GI	38012_1.R1084	Score	101
Exons	21249..21328		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14062	Strand	+
Start	28328	End	28707
Name	OJ990301_09.9819.C1.o6.gp	Method	AAT/GAP
Start	28328	End	28707
GI	5004502	Score	536
Exons	28328..28707		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14063	Strand	+
Start	28667	End	35083
Name	OJ990301_09.9819.C1.o7.gp	Method	AAT/GAP

Start 28667
 GI none
 Exons 28667..28740, 28830..28886

End 28886
 Score 210

Seq. No. 6688
 Gene No. 14063
 Start 28667
 Name OJ990301_09.9819.C1.o6.gs
 Start 28731
 GI none
 Exons 28731..28740, 28830..29010, 30222..30302, 30551..30633, 30724..30839, 30923..31033, 31140..31252, 31349..31655, 31742..31825, 32051..32122, 32731..32799, 33634..33741, 33798..33851, 34985..35083

Seq. ID OJ990301_09.9819.C1
 Strand +
 End 35083
 Method GENSCAN
 End 35083
 Score .8

Seq. No. 6688
 Gene No. 14063
 Start 28667
 Name OJ990301_09.9819.C1.o8.gp
 Start 32752
 GI none
 Exons 32752..32799, 33227..33551

Seq. ID OJ990301_09.9819.C1
 Strand +
 End 35083
 Method AAT/GAP
 End 33551
 Score 694

Seq. No. 6688
 Gene No. 14064
 Start 39585
 Name OJ990301_09.9819.C1.o8.gs
 Start 39585
 GI none
 Exons 39585..39716, 40012..40194, 40380..40416, 40959..41152

Seq. ID OJ990301_09.9819.C1
 Strand +
 End 41152
 Method GENSCAN
 End 41152
 Score .69

Seq. No. 6688
 Gene No. 14064
 Start 39585
 Name OJ990301_09.9819.C1.o5.np
 Start 40266
 GI 6069646
 Exons 40266..40572

Seq. ID OJ990301_09.9819.C1
 Strand +
 End 41152
 Method AAT/NAP
 End 40572
 Score 73

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 6688
 Gene No. 14065
 Start 468
 Name OJ990301_09.9819.C1.o1.gs
 Start 468
 GI none
 Exons 468..485, 790..1014, 1515..1587, 1732..1970

Seq. ID OJ990301_09.9819.C1
 Strand -
 End 1970
 Method GENSCAN
 End 1970
 Score .57

Seq. No. 6688
 Gene No. 14066
 Start 7760
 Name OJ990301_09.9819.C1.o1.gp
 Start 7264

Seq. ID OJ990301_09.9819.C1
 Strand -
 End 11297
 Method AAT/GAP
 End 8219

GI 41487_1.R1084 Score 1635
 Exons 7264..7566, 7660..8219
 GI Descrip. '322525|pir||S31445 7.0e-67 omnipotent suppressor protein SUP1 homolog (clone A18) - Arabidopsis thaliana (fragment)
 >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]'

Seq. No. 6688 Seq. ID OJ990301_09.9819.C1
 Gene No. 14066 Strand -
 Start 7760 End 11297
 Name OJ990301_09.9819.C1.o3.gs Method GENSCAN
 Start 7760 End 9073
 GI none Score .98
 Exons 7760..9073

Seq. No. 6688 Seq. ID OJ990301_09.9819.C1
 Gene No. 14066 Strand -
 Start 7760 End 11297
 Name OJ990301_09.9819.C1.o1.np Method AAT/NAP
 Start 7763 End 9070
 GI 549010 Score 2013
 Exons 7763..9070

GI Descrip. EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG)
 gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka

Seq. No. 6688 Seq. ID OJ990301_09.9819.C1
 Gene No. 14066 Strand -
 Start 7760 End 11297
 Name OJ990301_09.9819.C1.o2.gp Method AAT/GAP
 Start 8425 End 11297
 GI 11928_1.R1084 Score 1489
 Exons 8425..9101, 11215..11297

GI Descrip. '549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir_S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'

Seq. No. 6688 Seq. ID OJ990301_09.9819.C1
 Gene No. 14067 Strand -
 Start 15698 End 15900
 Name OJ990301_09.9819.C1.o4.gp Method AAT/GAP
 Start 15698 End 15900
 GI none Score 350
 Exons 15698..15900

Seq. No. 6688 Seq. ID OJ990301_09.9819.C1
 Gene No. 14068 Strand -
 Start 16655 End 28414
 Name OJ990301_09.9819.C1.o5.gs Method GENSCAN

Start	16655	End	28414
GI	none	Score	.51
Exons	16655..16777, 16848..16889, 18182..18465, 19279..19349, 19506..19918, 20013..20143, 20794..20854, 23249..23415, 23682..23737, 23872..23900, 24806..25233, 25652..25853, 27013..27122, 27218..27360, 27795..27902, 28236..28414		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14069	Strand	-
Start	35391	End	39076
Name	OJ990301_09.9819.C1.o7.gs	Method	GENSCAN
Start	35391	End	37817
GI	none	Score	.61
Exons	35391..37817		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14069	Strand	-
Start	35391	End	39076
Name	OJ990301_09.9819.C1.o3.np	Method	AAT/NAP
Start	35394	End	39076
GI	4263522	Score	1280
Exons	35394..36815, 36945..37253, 37380..37623, 39035..39076		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	7454	End	9103
GI	none	Score	50
Exons	7454..7495, 7492..7566, 7532..7567, 7659..7709, 7686..9101, 7709..9103, 7711..9102		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	7721	End	9083
GI	none	Score	324
Exons	7721..9082, 7760..8191, 7824..9083		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	7784	End	9062
GI	none	Score	120
Exons	7784..9058, 7786..8013, 7802..8191, 7824..9062		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	7787	End	7991
GI	none	Score	136
Exons	7787..7990, 7827..7991		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	8148	End	8600
GI	none	Score	611
Exons	8148..8591, 8148..8327, 8150..8599, 8361..8600		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	14420	End	15473
GI	none	Score	54
Exons	14420..14530, 14573..14767, 14599..14790, 14600..14791, 14612..14797, 14612..14791, 14626..14781, 14899..14961, 14900..14977, 14942..15229, 14987..15340, 14989..15318, 14990..15226, 15432..15473		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	14591	End	15361
GI	none	Score	159
Exons	14591..14764, 14599..14790, 14600..14797, 14612..14722, 14615..14797, 14615..14752, 14617..14790, 14899..15024, 14900..15037, 14900..15091, 14993..15313, 15067..15150, 15068..15151, 15136..15324, 15143..15361		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.tc	Method	TBLASTX:Cress
Start	14612	End	15361
GI	none	Score	97
Exons	14612..14791, 14626..14793, 14627..14782, 14654..14734, 14899..14961, 14900..15100, 14900..14977, 14993..15361, 15004..15291		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o6.tm	Method	TBLASTX:Maize
Start	24864	End	25229
GI	none	Score	113
Exons	24864..25100, 24871..25020, 24872..25108, 24974..25102, 25092..25229, 25139..25192, 25143..25226		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	30764	End	31250
GI	none	Score	98
Exons	30764..30838, 30768..30839, 30768..30839, 30769..30846, 30876..31034, 30911..31036, 30914..31039, 30922..31047,		

31133..31234, 31133..31234, 31137..31235, 31140..31250

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o5.ts	Method	TBLASTX:Soybean
Start	30907	End	31649
GI	none	Score	121
Exons	30907..31035, 30911..31036, 30926..31036, 31155..31277, 31353..31451, 31361..31423, 31515..31649, 31526..31609		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	31341	End	32804
GI	none	Score	436
Exons	31341..31655, 31347..31655, 31734..31820, 31741..31821, 31742..31828, 31906..31962, 31909..31962, 32026..32121, 32036..32122, 32045..32122, 32704..32802, 32730..32804		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	35389	End	35912
GI	none	Score	76
Exons	35389..35592, 35391..35519, 35391..35912, 35392..35703, 35740..35886		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	35391	End	35684
GI	none	Score	161
Exons	35391..35684, 35392..35673		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	35391	End	35657
GI	none	Score	140
Exons	35391..35657, 35392..35598		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	35658	End	37246
GI	none	Score	176
Exons	35658..36527, 35680..36066, 36189..36524, 36210..36395, 36222..36485, 36289..36432, 36426..36701, 36501..36698, 36582..36620, 36612..36797, 36630..36803, 36630..36791, 36639..36791, 36828..37022, 36834..36914, 36834..37115, 36849..36938, 36900..37073, 36937..37053, 36942..37118,		

37047..37154, 37118..37183, 37145..37246

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	35703	End	36212
GI	none	Score	150
Exons	35703..36212, 35706..36179		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	36090	End	37106
GI	none	Score	98
Exons	36090..36560, 36618..36797, 36834..36968, 36882..37106		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tc	Method	TBLASTX:Cress
Start	36111	End	37265
GI	none	Score	108
Exons	36111..36221, 36150..36359, 36225..36791, 36231..36452, 36234..36509, 36480..36524, 36511..36762, 36522..36713, 36630..36797, 36834..36947, 36849..37151, 36853..37032, 36876..36923, 37020..37157, 37098..37148, 37164..37265, 37179..37259		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o6.ts	Method	TBLASTX:Soybean
Start	36252	End	37271
GI	none	Score	95
Exons	36252..36491, 36258..36461, 36286..36462, 36555..36698, 36648..36806, 36834..36905, 37074..37154, 37179..37271		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o9.gp	Method	AAT/GAP
Start	42044	End	42124
GI	uC-osflcyp121e07b1	Score	131
Exons	42044..42124		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6689	Seq. ID	OJ990301_09.9819.C2
Gene No.	14071	Strand	+
Start	360	End	2191
Name	OJ990301_09.9819.C2.o1.gs	Method	GENSCAN
Start	360	End	2191
GI	none	Score	.9
Exons	360..512, 1888..1938, 2105..2191		

Seq. No. 6689
 Gene No. 14072
 Start 4314
 Name OJ990301_09.9819.C2.o2.gs
 Start 4314
 GI none
 Exons 4314..5169, 5199..5254

Seq. ID OJ990301_09.9819.C2
 Strand +
 End 5254
 Method GENSCAN
 End 5254
 Score .82

Seq. No. 6690
 Gene No. 14073
 Start 1
 Name OJ990301_09.9819.C3.o1.np
 Start 1
 GI 6503010
 Exons 1..191, 286..485, 3210..3451, 3740..4573
 GI Descrip. (AF174427) formin-like protein AHF1 [Arabidopsis thaliana]

Seq. ID OJ990301_09.9819.C3
 Strand +
 End 4573
 Method AAT/NAP
 End 4573
 Score 932

Seq. No. 6690
 Gene No. 14073
 Start 1
 Name OJ990301_09.9819.C3.o1.gs
 Start 97
 GI none
 Exons 97..191, 286..485, 3210..3451, 3740..4430, 4455..4531

Seq. ID OJ990301_09.9819.C3
 Strand +
 End 4573
 Method GENSCAN
 End 4531
 Score .84

Seq. No. 6690
 Gene No. 14074
 Start 1646
 Name OJ990301_09.9819.C3.o3.ts
 Start 386
 GI none
 Exons 386..487, 386..466, 3209..3307, 3314..3448, 3322..3450

Seq. ID OJ990301_09.9819.C3
 Strand -
 End 5450
 Method TBLASTX:Soybean
 End 3450
 Score 101

Seq. No. 6690
 Gene No. 14074
 Start 1646
 Name OJ990301_09.9819.C3.o2.np
 Start 1646
 GI 6721547
 Exons 1646..1681, 4394..4493, 5366..5450
 GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. ID OJ990301_09.9819.C3
 Strand -
 End 5450
 Method AAT/NAP
 End 5450
 Score 78

Seq. No. 6690
 Gene No. 14074
 Start 1646
 Name OJ990301_09.9819.C3.o1.tc
 Start 3212
 GI none
 Exons 3212..3307, 3314..3451, 3325..3462, 3728..3952, 3793..3951

Seq. ID OJ990301_09.9819.C3
 Strand -
 End 5450
 Method TBLASTX:Cress
 End 3952
 Score 84

Seq. No. 6690
 Gene No. 14074
 Start 1646
 Name OJ990301_09.9819.C3.o1.tm
 Start 3221
 GI none
 Exons 3221..3451, 3230..3265, 3310..3450, 3724..3960, 3737..3973,

Seq. ID OJ990301_09.9819.C3
 Strand -
 End 5450
 Method TBLASTX:Maize
 End 3973
 Score 358

3737..3949, 3793..3972

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3737	End	4114
GI	none	Score	295
Exons	3737..3973, 3793..3951, 3992..4114		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	4187	End	4468
GI	none	Score	240
Exons	4187..4429, 4190..4468, 4201..4449		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	4187	End	4468
GI	none	Score	212
Exons	4187..4396, 4189..4404, 4400..4468, 4408..4467		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14075	Strand	+
Start	570	End	2938
Name	OJ990301_09.9819.C4.o1.gs	Method	GENSCAN
Start	570	End	2938
GI	none	Score	.98
Exons	570..1394, 1495..1743, 1849..1940, 2158..2938		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14076	Strand	+
Start	5813	End	18230
Name	OJ990301_09.9819.C4.o3.gs	Method	GENSCAN
Start	5813	End	18230
GI	none	Score	.52
Exons	5813..5869, 9048..9373, 13029..13212, 13416..13546, 13891..13973, 15239..15382, 16960..17019, 17986..18230		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14076	Strand	+
Start	5813	End	18230
Name	OJ990301_09.9819.C4.o4.np	Method	AAT/NAP
Start	13107	End	17185
GI	4757880	Score	586
Exons	13107..13212, 13416..13546, 13891..13979, 15119..15382, 16348..16423, 16574..16654, 16733..16811, 16919..17019, 17116..17185		

GI Descrip. BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog gi|2921873 (AF047472) spleen mitotic checkpoint BUB3 [Homo sapiens] gi|2981231|gb|AAC06258| (AF053304) mitotic checkpoint component Bub3 [Homo sapiens] gi|3639060 (AF081496) kinetochore protein BUB3 [Homo sapiens]

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14077	Strand	+
Start	20202	End	21275
Name	OJ990301_09.9819.C4.o5.np	Method	AAT/NAP
Start	20202	End	21275
GI	6522914	Score	236
Exons	20202..20361, 20773..21112, 21151..21275		
GI Descrip.	(AL132978) zinc-finger-like protein [Arabidopsis thaliana]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14078	Strand	-
Start	1852	End	3708
Name	OJ990301_09.9819.C4.o2.np	Method	AAT/NAP
Start	1852	End	3708
GI	5852093	Score	68
Exons	1852..1882, 3559..3708		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14079	Strand	-
Start	4181	End	5433
Name	OJ990301_09.9819.C4.o2.gs	Method	GENSCAN
Start	4181	End	5433
GI	none	Score	.83
Exons	4181..4279, 4395..4460, 4577..4642, 4729..4932, 5029..5433		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14079	Strand	-
Start	4181	End	5433
Name	OJ990301_09.9819.C4.o3.np	Method	AAT/NAP
Start	4187	End	4932
GI	6693022	Score	269
Exons	4187..4288, 4346..4460, 4577..4642, 4729..4932		
GI Descrip.	(AC012375) T22C5.19 [Arabidopsis thaliana]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14080	Strand	-
Start	18689	End	19243
Name	OJ990301_09.9819.C4.o4.gs	Method	GENSCAN
Start	18689	End	19243
GI	none	Score	.42
Exons	18689..18852, 19240..19243		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	741	End	992
GI	none	Score	46
Exons	741..791, 798..992		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1596	End	2284

GI	none	Score	36
Exons	1596..1661, 1597..1677, 1660..1743, 1662..1745, 1678..1746, 1840..1938, 1847..1939, 1848..1940, 2155..2274, 2156..2284, 2163..2282		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	13059	End	22187
GI	none	Score	132
Exons	13059..13211, 13060..13212, 13147..13221, 13397..13585, 13413..13538, 13413..13589, 13414..13548, 13889..13975, 15103..15177, 15111..15185, 15111..15176, 15118..15159, 15163..15321, 15186..15380, 15189..15389, 15190..15393, 16343..16435, 16344..16436, 16572..16655, 16574..16657, 16575..16661, 16734..16811, 16734..16793, 16736..16804, 16879..17013, 16916..17014, 16927..17013, 16929..17021, 17114..17179, 17122..17178, 22107..22187		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	13123	End	22187
GI	none	Score	124
Exons	13123..13212, 13125..13211, 13147..13221, 13397..13540, 13413..13538, 13413..13562, 13889..13975, 15103..15177, 15111..15176, 15123..15185, 15184..15306, 15186..15380, 15189..15392, 15190..15393, 15191..15406, 16343..16435, 16344..16436, 16572..16655, 22107..22187		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	20773	End	21108
GI	none	Score	47
Exons	20773..20826, 20881..20955, 20886..20954, 20887..20949, 21013..21099, 21016..21108, 21031..21108		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	20773	End	21207
GI	none	Score	56
Exons	20773..20820, 20881..20955, 20881..20949, 20886..20951, 21016..21111, 21031..21111, 21184..21207		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o6.gs	Method	GENSCAN
Start	21488	End	21910
GI	none	Score	.8
Exons	21488..21910		

Seq. No.	6692	Seq. ID	OJ990301_09.9819.C6
Gene No.	14082	Strand	-
Start	27	End	223
Name	OJ990301_09.9819.C6.o1.gs	Method	GENSCAN
Start	27	End	223
GI	none	Score	.81
Exons	27..223		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14083	Strand	+
Start	3042	End	4850
Name	OJ990301_09.9819.C7.o1.np	Method	AAT/NAP
Start	3042	End	4850
GI	4468990	Score	1136
Exons	3042..3209, 3327..3553, 3580..4408, 4436..4850		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	3624	End	4001
GI	none	Score	357
Exons	3624..3929, 3641..3931, 3969..4001		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	3698	End	4415
GI	none	Score	138
Exons	3698..3814, 3699..3818, 3806..3925, 3807..3929, 3969..4052, 3974..4015, 4118..4183, 4122..4205, 4308..4415		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	4292	End	4854
GI	none	Score	193
Exons	4292..4315, 4293..4424, 4371..4406, 4431..4850, 4463..4849, 4733..4852, 4786..4854		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	4581	End	4847
GI	none	Score	119
Exons	4581..4691, 4671..4733, 4788..4847		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	4671	End	4862

GI	none	Score	122
Exons	4671..4760, 4689..4760, 4755..4844, 4782..4862, 4789..4845		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.gs	Method	GENSCAN
Start	9652	End	11806
GI	none	Score	.62
Exons	9652..9701, 9958..10019, 11781..11806		

Seq. No.	6694	Seq. ID	OJ990301_09.9819.C8
Gene No.	14085	Strand	-
Start	405	End	646
Name	OJ990301_09.9819.C8.o1.gs	Method	GENSCAN
Start	405	End	646
GI	none	Score	.5
Exons	405..646		

Seq. No.	6695	Seq. ID	OJ990301_09.9819.C9
Gene No.	14086	Strand	+
Start	172	End	249
Name	OJ990301_09.9819.C9.o1.gs	Method	GENSCAN
Start	172	End	249
GI	none	Score	.43
Exons	172..249		

Seq. No.	6696	Seq. ID	OJ990301_09.9819.C11
Gene No.	14087	Strand	+
Start	210	End	3430
Name	OJ990301_09.9819.C11.o1.gs	Method	GENSCAN
Start	210	End	3430
GI	none	Score	.49
Exons	210..366, 1133..1197, 1332..1383, 1440..1522, 1764..1905, 2843..2931, 3189..3430		

Seq. No.	6697	Seq. ID	OJ990301_09.9819.C12
Gene No.	14088	Strand	+
Start	538	End	712
Name	OJ990301_09.9819.C12.o1.gs	Method	GENSCAN
Start	538	End	712
GI	none	Score	.99
Exons	538..712		

Seq. No.	6698	Seq. ID	OJ990301_09.9819.C15
Gene No.	14089	Strand	+
Start	111	End	578
Name	OJ990301_09.9819.C15.o1.gs	Method	GENSCAN
Start	111	End	578
GI	none	Score	.99
Exons	111..278, 375..578		

Seq. No.	6699	Seq. ID	OJ990301_09.9819.C16
Gene No.	14090	Strand	-
Start	455	End	662
Name	OJ990301_09.9819.C16.o1.gs	Method	GENSCAN
Start	455	End	662

GI	none	Score	.72
Exons	455..662		
Seq. No.	6700	Seq. ID	OJ990301_09.9819.C17
Gene No.	14091	Strand	+
Start	421	End	624
Name	OJ990301_09.9819.C17.ol.gs	Method	GENSCAN
Start	421	End	624
GI	none	Score	.67
Exons	421..624		

Seq. No.	6701	Seq. ID	OJ990301_09.9819.C18
Gene No.	14092	Strand	-
Start	324	End	454
Name	OJ990301_09.9819.C18.ol.gs	Method	GENSCAN
Start	324	End	454
GI	none	Score	.79
Exons	324..454		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14093	Strand	+
Start	345	End	824
Name	OJ990301_09.9819.C19.ol.gs	Method	GENSCAN
Start	345	End	752
GI	none	Score	.98
Exons	345..752		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14093	Strand	+
Start	345	End	824
Name	OJ990301_09.9819.C19.ol.np	Method	AAT/NAP
Start	348	End	824
GI	549010	Score	637
Exons	348..824		

GI Descrip. EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.ol.gp	Method	AAT/GAP
Start	315	End	824
GI	11928_1.R1084	Score	904
Exons	315..824		

GI Descrip. '549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir_S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	315	End	822
GI	none	Score	681
Exons	315..734, 315..374, 317..733, 744..812, 745..822, 748..813		424..735, 429..734, 743..811,

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	333	End	822
GI	none	Score	600
Exons	333..734, 338..622, 427..732, 745..822		429..734, 743..811, 744..812,

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	335	End	822
GI	none	Score	612
Exons	335..733, 336..734, 745..822, 747..821		

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14095	Strand	+
Start	142	End	435
Name	OJ990301_09.9819.C20.o1.gs	Method	GENSCAN
Start	142	End	435
GI	none	Score	.91
Exons	142..435		

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14096	Strand	-
Start	873	End	1228
Name	OJ990301_09.9819.C20.o2.gs	Method	GENSCAN
Start	873	End	1137
GI	none	Score	.98
Exons	873..971, 1087..1137		

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14096	Strand	-
Start	873	End	1228
Name	OJ990301_09.9819.C20.o1.np	Method	AAT/NAP
Start	879	End	1228
GI	6693022	Score	150
Exons	879..980, 1038..1228		
GI Descrip.	(AC012375) T22C5.19 [Arabidopsis thaliana]		

Seq. No.	6704	Seq. ID	OJ990301_09.9819.C21
Gene No.	14097	Strand	+
Start	190	End	525
Name	OJ990301_09.9819.C21.o1.gs	Method	GENSCAN
Start	190	End	525
GI	none	Score	.89

Exons 190..267, 307..525

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	6646754	Score	920
Exons	1..1039		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	271	End	516
GI	none	Score	335
Exons	271..516, 273..515		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	273	End	458
GI	none	Score	206
Exons	273..458, 274..453		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.gs	Method	GENSCAN
Start	333	End	935
GI	none	Score	.62
Exons	333..476, 585..935		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.gp	Method	AAT/GAP
Start	364	End	820
GI	none	Score	902
Exons	364..820		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	459	End	1004
GI	none	Score	393
Exons	459..890, 460..891, 676..903, 900..1004, 904..1002		

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	516	End	1032
GI	none	Score	408

Exons 516..1004, 516..1004, 517..1032, 625..1023

Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.ol.tc	Method	TBLASTX:Cress
Start	555	End	891
GI	none	Score	57
Exons	555..593, 559..591, 603..890, 622..891		

Seq. No.	6706	Seq. ID	OJ990301_09.9819.C23
Gene No.	14099	Strand	+
Start	275	End	835
Name	OJ990301_09.9819.C23.ol.np	Method	AAT/NAP
Start	275	End	835
GI	6721547	Score	87
Exons	275..359, 814..835		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	6707	Seq. ID	OJ990301_09.9819.C24
Gene No.	14100	Strand	+
Start	108	End	410
Name	OJ990301_09.9819.C24.ol.gs	Method	GENSCAN
Start	108	End	410
GI	none	Score	.44
Exons	108..410		

Seq. No.	6708	Seq. ID	OJ990301_09.9819.C25
Gene No.	14101	Strand	-
Start	461	End	569
Name	OJ990301_09.9819.C25.ol.gs	Method	GENSCAN
Start	461	End	569
GI	none	Score	.55
Exons	461..569		

Seq. No.	6709	Seq. ID	OJ990301_09.9819.C28
Gene No.	14102	Strand	-
Start	58	End	474
Name	OJ990301_09.9819.C28.ol.gs	Method	GENSCAN
Start	58	End	474
GI	none	Score	.43
Exons	58..474		

Seq. No.	6710	Seq. ID	OJ990301_09.9819.C29
Gene No.	14103	Strand	+
Start	160	End	705
Name	OJ990301_09.9819.C29.ol.gs	Method	GENSCAN
Start	160	End	705
GI	none	Score	.41
Exons	160..383, 596..705		

Seq. No.	6711	Seq. ID	OJ990301_09.9819.C30
Gene No.	14104	Strand	+
Start	130	End	239
Name	OJ990301_09.9819.C30.ol.gs	Method	GENSCAN
Start	130	End	239
GI	none	Score	.91

Exons 130..239

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14105	Strand	+
Start	1404	End	4904
Name	OJ990301_09.9819.C31.o1.np	Method	AAT/NAP
Start	1404	End	4904
GI	6723435	Score	329
Exons	1404..1909, 2974..3157, 3233..3415, 4885..4904		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14105	Strand	+
Start	1404	End	4904
Name	OJ990301_09.9819.C31.o1.gs	Method	GENSCAN
Start	1424	End	3819
GI	none	Score	.84
Exons	1424..1909, 2974..3819		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o2.gs	Method	GENSCAN
Start	6705	End	9768
GI	none	Score	.41
Exons	6705..6869, 8680..9768		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o2.np	Method	AAT/NAP
Start	6713	End	9765
GI	6646754	Score	1412
Exons	6713..6897, 8690..9765		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o1.gp	Method	AAT/GAP
Start	8906	End	9362
GI	none	Score	858
Exons	8906..9362		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	6807	End	9138
GI	none	Score	93
Exons	6807..6872, 8675..8854, 8679..9101, 8682..9137, 8683..9138		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	8683	End	9267

GI	none	Score	131
Exons	8683..8826, 8685..8822, 8823..8927, 8835..9266, 8836..9267		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	8835	End	9171
GI	none	Score	304
Exons	8835..9104, 8836..9123, 9133..9171, 9135..9167		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	9140	End	9773
GI	none	Score	67
Exons	9140..9214, 9144..9770, 9144..9773, 9145..9771		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	9268	End	9594
GI	none	Score	536
Exons	9268..9594, 9270..9593		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.tc	Method	TBLASTX:Cress
Start	9535	End	9768
GI	none	Score	127
Exons	9535..9642, 9558..9623, 9637..9768, 9639..9767		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o3.ts	Method	TBLASTX:Soybean
Start	9594	End	9788
GI	none	Score	240
Exons	9594..9788, 9595..9786		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o3.gs	Method	GENSCAN
Start	11136	End	14763
GI	none	Score	.73
Exons	11136..11354, 11394..11471, 11597..11749, 12650..13225, 13325..13645, 14540..14763		
Seq. No.	6713	Seq. ID	OJ990301_09.9819.C32
Gene No.	14108	Strand	+
Start	430	End	1922
Name	OJ990301_09.9819.C32.o1.gs	Method	GENSCAN
Start	430	End	1922

GI none
Exons 430..447, 1761..1922

Score .57

Seq. No. 6714
Gene No. 14109
Start 236
Name OJ990301_09.9819.C33.ol.gs
Start 236
GI none
Exons 236..387

Seq. ID OJ990301_09.9819.C33
Strand +
End 387
Method GENSCAN
End 387
Score .96

Seq. No. 6715
Gene No. 14110
Start 43
Name OJ990301_09.9819.C34.ol.gs
Start 43
GI none
Exons 43..333

Seq. ID OJ990301_09.9819.C34
Strand -
End 333
Method GENSCAN
End 333
Score .45

Seq. No. 6716
Gene No. 14111
Start 1
Name OJ990301_09.9819.C39.ol.np
Start 1
GI 6646754
Exons 1..192

Seq. ID OJ990301_09.9819.C39
Strand +
End 215
Method AAT/NAP
End 192
Score 172

GI Descrip. (AC013258) unknown protein [Arabidopsis thaliana]

Seq. No. 6716
Gene No. 14111
Start 1
Name OJ990301_09.9819.C39.ol.tm
Start 67
GI none
Exons 67..198, 70..198, 72..200

Seq. ID OJ990301_09.9819.C39
Strand +
End 215
Method TBLASTX:Maize
End 200
Score 210

Seq. No. 6716
Gene No. 14111
Start 1
Name OJ990301_09.9819.C39.ol.ts
Start 69
GI none
Exons 69..200, 69..215, 70..213

Seq. ID OJ990301_09.9819.C39
Strand +
End 215
Method TBLASTX:Soybean
End 215
Score 82

Seq. No. 6716
Gene No. 14111
Start 1
Name OJ990301_09.9819.C39.ol.tc
Start 70
GI none
Exons 70..195, 72..194

Seq. ID OJ990301_09.9819.C39
Strand +
End 215
Method TBLASTX:Cress
End 195
Score 177

Seq. No. 6717
Gene No. 14112
Start 149
Name OJ990301_09.9819.C40.ol.gs
Start 149

Seq. ID OJ990301_09.9819.C40
Strand +
End 560
Method GENSCAN
End 560

GI none
Exons 149..229, 478..560

Score .64

Seq. No. 6718
Gene No. 14113
Start 22
Name OJ990311_09.9819.C1.o1.gs
Start 22
GI none
Exons 22..93, 189..276

Seq. ID OJ990311_09.9819.C1
Strand +
End 408
Method GENSCAN
End 276
Score .55

Seq. No. 6718
Gene No. 14113
Start 22
Name OJ990311_09.9819.C1.o1.gp
Start 47
GI 72807_1.R1084
Exons 47..93, 189..276, 367..408

Seq. ID OJ990311_09.9819.C1
Strand +
End 408
Method AAT/GAP
End 408
Score 204

GI Descrip. '5042437/gb|AC007789.1|AC007789 6.0e-22 Oryza sativa BAC T49B20
genomic sequence, complete sequence'

Seq. No. 6719
Gene No. 14114
Start 103
Name OJ990311_09.9819.C5.o1.gs
Start 103
GI none
Exons 103..297

Seq. ID OJ990311_09.9819.C5
Strand +
End 297
Method GENSCAN
End 297
Score 1

Seq. No. 6719
Gene No. 14114
Start 103
Name OJ990311_09.9819.C5.o1.ts
Start 110
GI none
Exons 110..253, 120..242, 248..292, 251..292

Seq. ID OJ990311_09.9819.C5
Strand +
End 297
Method TBLASTX:Soybean
End 292
Score 164

Seq. No. 6720
Gene No. 14115
Start 190
Name OJ990311_09.9819.C8.o1.gs
Start 190
GI none
Exons 190..244

Seq. ID OJ990311_09.9819.C8
Strand -
End 244
Method GENSCAN
End 244
Score .78

Seq. No. 6721
Gene No. 14116
Start 9163
Name OJ990311_09.9819.C9.o2.gs
Start 9163
GI none
Exons 9163..9305, 9807..10029

Seq. ID OJ990311_09.9819.C9
Strand +
End 10029
Method GENSCAN
End 10029
Score .4

Seq. No. 6721
Gene No. 14117
Start 13166
Name OJ990311_09.9819.C9.o4.gs

Seq. ID OJ990311_09.9819.C9
Strand +
End 14092
Method GENSCAN

Start 13166
GI none
Exons 13166..13423, 13529..14092

End 14092
Score .97

Seq. No. 6721
Gene No. 14117
Start 13166
Name OJ990311_09.9819.C9.o3.np
Start 13529
GI 3152583
Exons 13529..14092
GI Descrip. (AC002986) Contains similarity to inhibitor of apoptosis protein gb|U45881 from D. melanogaster. [Arabidopsis thaliana]

Seq. ID OJ990311_09.9819.C9
Strand +
End 14092
Method AAT/NAP
End 14092
Score 136

Seq. No. 6721
Gene No. 14118
Start 14565
Name OJ990311_09.9819.C9.o5.gs
Start 14565
GI none
Exons 14565..14623, 14766..14895

Seq. ID OJ990311_09.9819.C9
Strand +
End 14895
Method GENSCAN
End 14895
Score .48

Seq. No. 6721
Gene No. 14119
Start 3188
Name OJ990311_09.9819.C9.o1.gs
Start 3188
GI none
Exons 3188..3359, 4320..4449, 6607..6732, 6903..6930, 7480..7614

Seq. ID OJ990311_09.9819.C9
Strand -
End 7614
Method GENSCAN
End 7614
Score .65

Seq. No. 6721
Gene No. 14120
Start 12430
Name OJ990311_09.9819.C9.o1.tw
Start 5936
GI none
Exons 5936..6298, 5937..6038

Seq. ID OJ990311_09.9819.C9
Strand -
End 12967
Method TBLASTX:Wheat
End 6298
Score 82

Seq. No. 6721
Gene No. 14120
Start 12430
Name OJ990311_09.9819.C9.o1.tm
Start 6029
GI none
Exons 6029..6106, 6128..6499, 6299..6493, 6309..6500

Seq. ID OJ990311_09.9819.C9
Strand -
End 12967
Method TBLASTX:Maize
End 6500
Score 95

Seq. No. 6721
Gene No. 14120
Start 12430
Name OJ990311_09.9819.C9.o2.tw
Start 6398
GI none
Exons 6398..6496, 6575..6709, 6600..6704, 6702..6947

Seq. ID OJ990311_09.9819.C9
Strand -
End 12967
Method TBLASTX:Wheat
End 6947
Score 73

Seq. No. 6721
Gene No. 14120
Start 12430

Seq. ID OJ990311_09.9819.C9
Strand -
End 12967

Name	OJ990311_09.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	6572	End	7097
GI	none	Score	69
Exons	6572..6676, 6600..6695, 6744..7097, 6772..6966		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	6720	End	7010
GI	none	Score	229
Exons	6720..7001, 6730..6987, 6776..7000, 6858..7010		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o3.gs	Method	GENSCAN
Start	12430	End	12967
GI	none	Score	.85
Exons	12430..12488, 12736..12967		

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.gs	Method	GENSCAN
Start	5797	End	26579
GI	none	Score	.82
Exons	5797..5869, 6496..6613, 6945..7009, 7108..7426, 7919..7997, 8232..8397, 9210..9313, 9405..9539, 9624..9674, 9848..9942, 10014..10131, 11376..11558, 11636..11796, 12465..12635, 13505..13982, 14277..14372, 14453..14520, 14798..14918, 15000..15176, 16420..16450, 17560..17729, 17799..17873, 18210..18701, 18831..19163, 19245..19376, 19525..19638, 19723..19907, 19989..20097, 20764..20907, 21036..21326, 21450..22103, 22260..22448, 23385..23488, 24258..24510, 24890..25062, 25216..25557, 25638..26124, 26448..26579		

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o1.np	Method	AAT/NAP
Start	9860	End	20133
GI	2245072	Score	2448
Exons	9860..9955, 10009..10278, 10706..10807, 11368..11558, 11636..11798, 12359..12635, 13505..13594, 13664..13982, 14277..14372, 15000..15176, 15271..15480, 16429..16529, 17099..17195, 17405..17503, 17580..17729, 17799..17873, 18119..18277, 18338..18460, 18523..18701, 18831..19165, 19245..19396, 19475..19638, 19723..19907, 19989..20133		

GI Descrip. (Z97342) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.gp	Method	AAT/GAP
Start	17800	End	18521
GI	none	Score	701

Exons 17800..17873, 18210..18521

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.np	Method	AAT/NAP
Start	20767	End	25646
GI	2245071	Score	1404

Exons 20767..20907, 21036..21331, 21455..21716, 21771..22103,
22260..22448, 23385..23488, 24258..24547, 24643..24727,
24810..25128, 25390..25646

GI Descrip. (Z97342) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o3.np	Method	AAT/NAP
Start	24671	End	26988
GI	2245070	Score	838

Exons 24671..24762, 25213..25557, 25638..26124, 26284..26459,
26968..26988

GI Descrip. (Z97342) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6723	Seq. ID	OJ990311_09.9819.C11
Gene No.	14122	Strand	+
Start	1	End	862
Name	OJ990311_09.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	862
GI	2245070	Score	271

Exons 1..77, 272..862

GI Descrip. (Z97342) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6723	Seq. ID	OJ990311_09.9819.C11
Gene No.	14123	Strand	-
Start	1168	End	1319
Name	OJ990311_09.9819.C11.o1.gs	Method	GENSCAN
Start	1168	End	1319
GI	none	Score	.76

Exons 1168..1319

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	291	End	457
GI	none	Score	196

Exons 291..452, 291..452, 293..457

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o1.gp	Method	AAT/GAP
Start	293	End	780
GI	72807_1.R1084	Score	473

Exons 293..454, 550..637, 728..780

GI Descrip. '5042437/gb|AC007789.1|AC007789 6.0e-22 Oryza sativa BAC T49B20
genomic sequence, complete sequence'

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.ol.np	Method	AAT/NAP
Start	293	End	1964
GI	4895254	Score	48
Exons	293..473, 1916..1964		
GI Descrip.	(AC007659) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.ol.gs	Method	GENSCAN
Start	293	End	2115
GI	none	Score	.98
Exons	293..454, 550..637, 728..958, 1052..1219, 1489..1682, 1996..2115		
Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.ol.tm	Method	TBLASTX:Maize
Start	826	End	1515
GI	none	Score	157
Exons	826..957, 828..956, 902..961, 1046..1222, 1050..1229, 1051..1230, 1480..1515		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14125	Strand	+
Start	268	End	6211
Name	OJ990311_09.9819.C15.ol.gs	Method	GENSCAN
Start	268	End	6211
GI	none	Score	.75
Exons	268..418, 517..636, 961..1102, 1524..1548, 1941..2017, 2442..2636, 3191..3263, 3339..3425, 3610..3747, 3885..4087, 4173..4335, 4565..4684, 6071..6211		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14125	Strand	+
Start	268	End	6211
Name	OJ990311_09.9819.C15.o2.gp	Method	AAT/GAP
Start	4664	End	5023
GI	3760216	Score	598
Exons	4664..5023		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14126	Strand	+
Start	12628	End	13082
Name	OJ990311_09.9819.C15.o3.gp	Method	AAT/GAP
Start	12628	End	13082
GI	36280_1.R1084	Score	854
Exons	12628..13082		
GI Descrip.	'5295971/dbj BAA81872.1 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14127	Strand	+
Start	14773	End	15208
Name	OJ990311_09.9819.C15.o4.gp	Method	AAT/GAP
Start	14773	End	15208
GI	uC-osflM2020118f01a1	Score	777
Exons	14773..15208		
GI Descrip.	'5295971/dbj BAA81872.1 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14128	Strand	+
Start	16567	End	19770
Name	OJ990311_09.9819.C15.o3.gs	Method	GENSCAN
Start	16567	End	19770
GI	none	Score	.76
Exons	16567..17187, 17660..17787, 17880..17931, 18909..19055, 19352..19426, 19516..19770		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14129	Strand	+
Start	21443	End	21764
Name	OJ990311_09.9819.C15.o2.np	Method	AAT/NAP
Start	21443	End	21764
GI	6678609	Score	62
Exons	21443..21561, 21634..21764		
GI Descrip.	X-linked nuclear protein gi 5915738 sp Q61687 ATRX MOUSE TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETEROCHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN) gi 3002558 (AF026032) ATRX protein [Mus musculus]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14130	Strand	+
Start	28280	End	28428
Name	OJ990311_09.9819.C15.o5.gp	Method	AAT/GAP
Start	28280	End	28428
GI	uC-osflcyp001c04b2	Score	222
Exons	28280..28428		
GI Descrip.	'6041757/gb AC011806.1 AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14131	Strand	+
Start	31223	End	34083
Name	OJ990311_09.9819.C15.o8.np	Method	AAT/NAP
Start	31223	End	34083
GI	4378757	Score	413
Exons	31223..31245, 33444..33522, 33626..33881, 33950..34083		
GI Descrip.	(AF111711) transcription factor PERIANTHIA [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14131	Strand	+

Start	31223	End	34083
Name	OJ990311_09.9819.C15.o6.gp	Method	AAT/GAP
Start	33447	End	33840
GI	67783.1.R1084	Score	667
Exons	33447..33840		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o7.gp	Method	AAT/GAP
Start	34816	End	35733
GI	none	Score	875
Exons	34816..35007, 35453..35733		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o10.np	Method	AAT/NAP
Start	35489	End	37738
GI	6522596	Score	69
Exons	35489..35728, 37719..37738		
GI Descrip.	(AL133292) putative protein [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o8.gp	Method	AAT/GAP
Start	36399	End	36852
GI	none	Score	904
Exons	36399..36852		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14133	Strand	+
Start	44588	End	45213
Name	OJ990311_09.9819.C15.o11.np	Method	AAT/NAP
Start	44588	End	45213
GI	4928399	Score	172
Exons	44588..45047, 45155..45213		
GI Descrip.	(AF132014) RING-H2 zinc finger protein ATL4 [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14134	Strand	-
Start	12254	End	17046
Name	OJ990311_09.9819.C15.o1.np	Method	AAT/NAP
Start	12254	End	17046
GI	5295971	Score	7968
Exons	12254..17046		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14135	Strand	-
Start	19969	End	24634

Name	OJ990311_09.9819.C15.o3.np	Method	AAT/NAP
Start	19960	End	24634
GI	6069646	Score	369
Exons	19960..20951, 21264..21307, 24563..24634		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14135	Strand	-
Start	19969	End	24634
Name	OJ990311_09.9819.C15.o4.gs	Method	GENSCAN
Start	19969	End	21141
GI	none	Score	.56
Exons	19969..21141		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14136	Strand	-
Start	25599	End	26808
Name	OJ990311_09.9819.C15.o7.np	Method	AAT/NAP
Start	25599	End	26808
GI	6907106	Score	444
Exons	25599..25804, 25878..26100, 26406..26808		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	2554	End	4089
GI	none	Score	102
Exons	2554..2646, 2566..2634, 3189..3263, 3189..3263, 3324..3428, 3336..3425, 3337..3429, 3588..3746, 3605..3769, 3607..3750, 3608..3760, 3875..4018, 3882..4088, 3883..4089, 3883..4062		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o13.tm	Method	TBLASTX:Maize
Start	4187	End	4708
GI	none	Score	123
Exons	4187..4336, 4190..4336, 4258..4341, 4272..4337, 4288..4341, 4562..4708, 4562..4696, 4564..4698		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tc	Method	TBLASTX:Cress
Start	4258	End	4696
GI	none	Score	116
Exons	4258..4341, 4269..4337, 4562..4696, 4564..4692		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-

Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	12278	End	12928
GI	none	Score	41
Exons	12278..12511, 12411..12485, 12566..12754, 12594..12755, 12767..12928		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	12287	End	12949
GI	none	Score	83
Exons	12287..12529, 12321..12485, 12572..12652, 12576..12653, 12659..12949, 12660..12755, 12777..12887		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	12288	End	12677
GI	none	Score	225
Exons	12288..12488, 12288..12674, 12290..12595, 12290..12676, 12439..12615, 12570..12677		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	12317	End	12736
GI	none	Score	83
Exons	12317..12496, 12329..12511, 12566..12736, 12576..12653		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o14.tm	Method	TBLASTX:Maize
Start	12683	End	12862
GI	none	Score	120
Exons	12683..12862, 12684..12860		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tw	Method	TBLASTX:Wheat
Start	12770	End	13081
GI	none	Score	64
Exons	12770..12949, 12974..13081		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	12864	End	13255
GI	none	Score	513
Exons	12864..13151, 12866..13255, 12866..13255		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	13082	End	13634
GI	none	Score	57
Exons	13082..13306, 13292..13522, 13296..13481, 13316..13483, 13505..13633, 13545..13634		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	13307	End	13801
GI	5509260	Score	121
Exons	13307..13522, 13326..13484, 13517..13801, 13545..13754		
GI Descrip.	-		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tc	Method	TBLASTX:Cress
Start	13418	End	13679
GI	none	Score	89
Exons	13418..13522, 13505..13678, 13548..13679		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	13457	End	13762
GI	none	Score	51
Exons	13457..13522, 13458..13499, 13460..13522, 13499..13762, 13511..13714, 13545..13760		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	14252	End	14731
GI	none	Score	157
Exons	14252..14398, 14423..14731, 14436..14726		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	14276	End	14716
GI	none	Score	193
Exons	14276..14398, 14420..14716		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	14336	End	14762
GI	none	Score	547

Exons 14336..14758, 14337..14762

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	14414	End	14965
GI	none	Score	42
Exons	14414..14494, 14427..14498, 14501..14965, 14601..14750		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.ts	Method	TBLASTX:Soybean
Start	14819	End	15100
GI	none	Score	203
Exons	14819..15100, 14924..15004		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	15038	End	15491
GI	none	Score	57
Exons	15038..15130, 15038..15118, 15110..15487, 15125..15490, 15219..15491		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o8.tm	Method	TBLASTX:Maize
Start	15161	End	15401
GI	none	Score	269
Exons	15161..15400, 15162..15401		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	15416	End	16132
GI	none	Score	292
Exons	15416..15664, 15416..15667, 15517..15669, 15647..15778, 15681..15836, 15708..15836, 15709..15837, 15843..15875, 15845..15940, 15857..16132, 15858..16115, 15860..16132		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	16367	End	16654
GI	none	Score	161
Exons	16367..16525, 16367..16519, 16507..16653, 16511..16654		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o15.tm	Method	TBLASTX:Maize

Start	18683	End	19025
GI	none	Score	142
Exons	18683..18820, 18684..18821, 18900..18974, 18903..19025		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o9.tm	Method	TBLASTX:Maize
Start	20080	End	20613
GI	none	Score	236
Exons	20080..20196, 20254..20613		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o11.tm	Method	TBLASTX:Maize
Start	20770	End	21058
GI	none	Score	124
Exons	20770..21057, 20879..21058		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o10.tm	Method	TBLASTX:Maize
Start	25696	End	26053
GI	none	Score	73
Exons	25696..25755, 25697..25828, 25718..25813, 25833..26027, 25845..25871, 25846..26043, 25935..26042, 25945..26052, 25946..26053		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o12.tm	Method	TBLASTX:Maize
Start	33454	End	33847
GI	none	Score	86
Exons	33454..33525, 33456..33521, 33620..33769, 33637..33684, 33725..33775, 33821..33847		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tc	Method	TBLASTX:Cress
Start	33454	End	34083
GI	none	Score	83
Exons	33454..33525, 33620..33769, 33698..33895, 33724..33744, 33817..33867, 33966..34082, 33967..34083		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	33454	End	34083
GI	none	Score	84
Exons	33454..33525, 33456..33527, 33620..33769, 33643..33744, 33725..33763, 33809..33895, 33820..33876, 33966..34082, 33967..34083		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o6.tw	Method	TBLASTX:Wheat
Start	33620	End	33766
GI	none	Score	184
Exons	33620..33766, 33625..33744		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o9.np	Method	AAT/NAP
Start	34387	End	35695
GI	5777617	Score	83
Exons	34387..34512, 35667..35695		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6726	Seq. ID	OJ990311_09.9819.C16
Gene No.	14138	Strand	-
Start	60	End	415
Name	OJ990311_09.9819.C16.o1.gs	Method	GENSCAN
Start	60	End	415
GI	none	Score	.84
Exons	60..415		

Seq. No.	6727	Seq. ID	OJ990311_09.9819.C17
Gene No.	14139	Strand	+
Start	453	End	548
Name	OJ990311_09.9819.C17.o1.np	Method	AAT/NAP
Start	453	End	548
GI	6006359	Score	73
Exons	453..548		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	6727	Seq. ID	OJ990311_09.9819.C17
Gene No.	14140	Strand	+
Start	1090	End	1294
Name	OJ990311_09.9819.C17.o1.gs	Method	GENSCAN
Start	1090	End	1294
GI	none	Score	.49
Exons	1090..1294		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14141	Strand	+
Start	1	End	2533
Name	OJ990311_09.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	5042454	Score	163
Exons	1..62, 727..910, 1292..1352		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14141	Strand	+
Start	1	End	2533
Name	OJ990311_09.9819.C18.o1.gs	Method	GENSCAN
Start	654	End	2533

GI	none	Score	.69
Exons	654..793, 874..916, 1299..1469, 1968..2007, 2370..2533		
Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14142	Strand	+
Start	3470	End	3624
Name	OJ990311_09.9819.C18.o3.gp	Method	AAT/GAP
Start	3470	End	3624
GI	77434_1.R1084	Score	84
Exons	3470..3526, 3603..3624		
GI Descrip.	'2827528/emb CAA16536.1 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14143	Strand	-
Start	2368	End	2467
Name	OJ990311_09.9819.C18.o1.gp	Method	AAT/GAP
Start	2368	End	2467
GI	2799534	Score	129
Exons	2368..2467		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o4.gp	Method	AAT/GAP
Start	8528	End	8776
GI	5667251	Score	438
Exons	8528..8776		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o3.gs	Method	GENSCAN
Start	8657	End	11749
GI	none	Score	.82
Exons	8657..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11645..11749		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o6.np	Method	AAT/NAP
Start	8657	End	11746
GI	3341685	Score	200
Exons	8657..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11681..11746		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o5.gp	Method	AAT/GAP
Start	8769	End	11969
GI	59454_1.R1084	Score	780
Exons	8769..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11681..11969		
GI Descrip.	'3341685 5.0e-33 (AC003672) unknown protein [Arabidopsis		

thaliana]'

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o1.np	Method	AAT/NAP
Start	44	End	1687
GI	226683	Score	2162
Exons	44..165, 396..1687		
GI Descrip.	photosystem II 43kD protein [Oryza sativa]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o1.gp	Method	AAT/GAP
Start	313	End	735
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	313..410, 696..735		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o2.gp	Method	AAT/GAP
Start	432	End	1008
GI	7587_1.R1084	Score	1001
Exons	432..1008		
GI Descrip.	'131283/sp P12158 PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir_F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o3.gp	Method	AAT/GAP
Start	1104	End	1560
GI	2231_2.R1084	Score	825
Exons	1104..1560		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14146	Strand	-
Start	1731	End	2627
Name	OJ990311_09.9819.C19.o2.np	Method	AAT/NAP
Start	1731	End	2627
GI	5739030	Score	1548
Exons	1731..2627		
GI Descrip.	(AB013682) photosystem II protein D2 [Adiantum capillus-veneris]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14147	Strand	-
Start	2949	End	3248

Name	OJ990311_09.9819.C19.o3.np	Method	AAT/NAP
Start	2949	End	3248
GI	82515	Score	516
Exons	2949..3248		
GI Descrip.	hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi 11963 emb CAA34012 (X15901) ORF100 [Oryza sativa] gi 226681 prf 1603356F ORF 100 [Oryza sativa]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	418	End	4649
GI	none	Score	64
Exons	418..489, 433..489, 434..490, 489..1106, 489..1112, 490..1113, 1112..1156, 1211..1705, 1212..1703, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	418	End	4649
GI	none	Score	91
Exons	418..489, 434..490, 466..711, 467..721, 488..730, 489..1112, 490..1113, 875..1114, 1090..1725, 1112..1156, 1211..1723, 1212..1727, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	433	End	693
GI	none	Score	91
Exons	433..489, 434..490, 434..499, 488..691, 489..683, 489..692, 490..693, 490..693		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	533	End	4649
GI	none	Score	180
Exons	533..667, 533..631, 534..650, 610..711, 611..724, 626..730, 630..1112, 631..1113, 770..1117, 1095..1163, 1096..1164, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	694	End	4649
GI	none	Score	673
Exons	694..1113, 696..1112, 872..1126, 1029..1178, 1096..1179, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-

Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	1166	End	1562
GI	none	Score	139
Exons	1166..1561, 1217..1378, 1221..1562		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1215	End	1665
GI	none	Score	692
Exons	1215..1664, 1216..1665, 1217..1663		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	1725	End	2168
GI	none	Score	638
Exons	1725..2147, 1725..2141, 1726..2148, 2133..2168		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tc	Method	TBLASTX:Cress
Start	1909	End	2238
GI	none	Score	501
Exons	1909..2238, 1911..2234		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	1934	End	2756
GI	none	Score	574
Exons	1934..2461, 1934..2323, 1935..2756, 1936..2742, 2507..2746		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	1960	End	2382
GI	none	Score	654
Exons	1960..2382, 1962..2381		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	2322	End	2694
GI	none	Score	416
Exons	2322..2693, 2322..2693, 2323..2694		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110

Name	OJ990311_09.9819.C19.o5.tw	Method	TBLASTX:Wheat
Start	2634	End	3007
GI	none	Score	185
Exons	2634..2750, 2634..2750, 2638..2754, 2766..2783, 2781..2906, 2782..2907, 2786..2908, 2879..2914, 2892..2915, 2893..2919, 2906..2950, 2907..2951, 2908..2955, 2909..2965, 2956..2985, 2957..2986, 2958..2990, 2975..3007		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	3008	End	3562
GI	none	Score	55
Exons	3008..3082, 3013..3081, 3041..3127, 3051..3245, 3076..3198, 3087..3227, 3214..3339, 3224..3337, 3331..3402, 3344..3406, 3350..3385, 3382..3426, 3387..3428, 3387..3446, 3417..3500, 3420..3500, 3421..3513, 3422..3508, 3502..3531, 3503..3562		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o8.tm	Method	TBLASTX:Maize
Start	3008	End	3238
GI	none	Score	37
Exons	3008..3061, 3009..3041, 3013..3063, 3041..3094, 3051..3092, 3053..3097, 3099..3227, 3101..3238, 3102..3227		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o5.tm	Method	TBLASTX:Maize
Start	3240	End	3667
GI	none	Score	126
Exons	3240..3335, 3240..3335, 3242..3337, 3257..3337, 3344..3403, 3344..3403, 3346..3483, 3348..3461, 3360..3500, 3362..3508, 3387..3497, 3388..3501, 3502..3531, 3506..3610, 3537..3611, 3557..3616, 3559..3615, 3588..3623, 3600..3665, 3601..3666, 3602..3667		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.gs	Method	GENSCAN
Start	3653	End	5110
GI	none	Score	.91
Exons	3653..3823, 4392..4503, 4849..4874, 5066..5110		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	3739	End	4475
GI	none	Score	177
Exons	3739..3834, 3875..4003, 3876..4004, 3877..4005, 3879..4004, 4356..4475, 4372..4473		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tc	Method	TBLASTX:Cress
Start	3739	End	4024
GI	none	Score	47
Exons	3739..3765, 3739..3765, 3858..4007, 3863..4018, 3863..4024, 3876..4022		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.np	Method	AAT/NAP
Start	3881	End	4026
GI	1262595	Score	186
Exons	3881..4026		
GI Descrip.	(D17510) PSII I protein [Pinus thunbergii]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o7.tm	Method	TBLASTX:Maize
Start	4011	End	4220
GI	none	Score	160
Exons	4011..4109, 4011..4118, 4012..4110, 4013..4123, 4084..4149, 4092..4148, 4103..4159, 4148..4219, 4152..4220		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o6.tm	Method	TBLASTX:Maize
Start	4220	End	4734
GI	none	Score	79
Exons	4220..4255, 4221..4271, 4221..4271, 4257..4316, 4257..4322, 4258..4320, 4259..4321, 4321..4473, 4326..4475, 4326..4475, 4649..4732, 4650..4733, 4651..4734, 4651..4734		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o5.np	Method	AAT/NAP
Start	4380	End	4562
GI	131358	Score	320
Exons	4380..4562		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi 72700 pir F2RZKS photosystem II protein psbK - rice chloroplast gi 11961 emb CAA34010 (X15901) PSII K protein [Oryza sativa] gi 226672 prf 1603356D photosystem II K protein [Oryza sativa]		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14149	Strand	+
Start	7836	End	10973
Name	OJ990311_09.9819.C20.o3.gs	Method	GENSCAN
Start	7836	End	10973
GI	none	Score	.74
Exons	7836..7897, 7932..8064, 8438..8556, 8664..8724, 9147..9194,		

10340..10973

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14150	Strand	-
Start	434	End	500
Name	OJ990311_09.9819.C20.o1.gs	Method	GENSCAN
Start	434	End	500
GI	none	Score	.59
Exons	434..500		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	1416	End	3554
GI	none	Score	70
Exons	1416..1520, 1557..1661, 1758..1841, 2651..2812, 2652..2813, 2929..3120, 2930..3109, 3459..3554		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o2.gs	Method	GENSCAN
Start	1419	End	3683
GI	none	Score	.92
Exons	1419..1828, 2653..2815, 2923..3102, 3456..3683		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.np	Method	AAT/NAP
Start	1422	End	3704
GI	1781324	Score	502
Exons	1422..1828, 2653..2815, 2923..3102, 3456..3704		
GI Descrip.	(Y10463) peroxidase [Spinacia oleracea]		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	1425	End	3120
GI	none	Score	85
Exons	1425..1454, 1470..1643, 1726..1830, 1734..1862, 2756..2812, 2929..3120, 2930..3103		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	1479	End	2833
GI	none	Score	406
Exons	1479..1829, 1480..1839, 2651..2833, 2652..2810		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tw	Method	TBLASTX:Wheat

Start	2920	End	3120
GI	none	Score	88
Exons	2920..3075, 2921..3085, 3076..3120, 3077..3109		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2929	End	3557
GI	none	Score	107
Exons	2929..3120, 2930..3109, 3459..3557		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14152	Strand	+
Start	281	End	885
Name	OJ990311_09.9819.C21.o1.gs	Method	GENSCAN
Start	281	End	885
GI	none	Score	.54
Exons	281..379, 837..885		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14153	Strand	-
Start	327	End	509
Name	OJ990311_09.9819.C21.o1.np	Method	AAT/NAP
Start	327	End	509
GI	131358	Score	320
Exons	327..509		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi 72700 pir F2RZKS photosystem II protein psbK - rice chloroplast gi 11961 emb CAA34010 (X15901) PSII K protein [Oryza sativa] gi 226672 prf 1603356D photosystem II K protein [Oryza sativa]		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	168	End	681
GI	none	Score	79
Exons	168..218, 168..218, 204..263, 204..269, 205..267, 206..268, 268..441, 272..445, 273..587, 273..581, 567..680, 568..681, 579..680, 604..681		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	296	End	528
GI	none	Score	154
Exons	296..514, 297..521, 297..512, 316..528		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	303	End	554
GI	none	Score	217

Exons 303..554, 319..525

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.ol.tw	Method	TBLASTX:Wheat
Start	423	End	681
GI	none	Score	336
Exons	423..680, 423..680, 424..681		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.ol.gp	Method	AAT/GAP
Start	543	End	740
GI	LIB3477-003-P1-K1-E9	Score	78
Exons	543..564, 680..740		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6732	Seq. ID	OJ990311_09.9819.C25
Gene No.	14155	Strand	+
Start	1	End	696
Name	OJ990311_09.9819.C25.ol.np	Method	AAT/NAP
Start	1	End	696
GI	3192685	Score	870
Exons	1..696		
GI Descrip.	(AF064539) gp2 [Bacteriophage N15]		

Seq. No.	6732	Seq. ID	OJ990311_09.9819.C25
Gene No.	14156	Strand	-
Start	191	End	624
Name	OJ990311_09.9819.C25.ol.gs	Method	GENSCAN
Start	191	End	624
GI	none	Score	.95
Exons	191..394, 553..624		

Seq. No.	6733	Seq. ID	OJ990311_09.9819.C27
Gene No.	14157	Strand	-
Start	1	End	358
Name	OJ990311_09.9819.C27.ol.np	Method	AAT/NAP
Start	1	End	358
GI	2245072	Score	90
Exons	1..194, 264..358		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6734	Seq. ID	OJ990211_02.9819.C1
Gene No.	14158	Strand	+
Start	521	End	670
Name	OJ990211_02.9819.C1.ol.gp	Method	AAT/GAP
Start	521	End	670
GI	2310943	Score	266
Exons	521..670		
GI Descrip.	4886282/emb CAB43434.1 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	6734	Seq. ID	OJ990211_02.9819.C1
Gene No.	14158	Strand	+
Start	521	End	670
Name	OJ990211_02.9819.C1.o1.gs	Method	GENSCAN
Start	549	End	662
GI	none	Score	.56
Exons	549..662		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	789
GI	6689637	Score	165
Exons	1..87, 637..789		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	645	End	784
GI	none	Score	83
Exons	645..737, 646..783, 653..784		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	646	End	777
GI	none	Score	107
Exons	646..777, 653..775		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	646	End	777
GI	none	Score	191
Exons	646..777, 650..775		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	646	End	779
GI	none	Score	200
Exons	646..777, 648..779, 650..775		
Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.gp	Method	AAT/GAP
Start	648	End	789
GI	18266_1.R1084	Score	214
Exons	648..789		
GI Descrip.	'1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis		

thaliana]'

Seq. No.	6736	Seq. ID	OJ990211_02.9819.C6
Gene No.	14160	Strand	-
Start	366	End	472
Name	OJ990211_02.9819.C6.o1.gs	Method	GENSCAN
Start	366	End	472
GI	none	Score	.43
Exons	366..472		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14161	Strand	+
Start	1033	End	1296
Name	OJ990211_02.9819.C8.o1.np	Method	AAT/NAP
Start	1033	End	1296
GI	5103193	Score	319
Exons	1033..1296		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi 5738084 gb AAD50242.1 AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14162	Strand	-
Start	526	End	1173
Name	OJ990211_02.9819.C8.o1.gs	Method	GENSCAN
Start	526	End	1173
GI	none	Score	.43
Exons	526..648, 1158..1173		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14162	Strand	-
Start	526	End	1173
Name	OJ990211_02.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	926	End	1073
GI	none	Score	224
Exons	926..1072, 927..1073, 927..1073		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14163	Strand	+
Start	452	End	1576
Name	OJ990211_02.9819.C9.o1.gp	Method	AAT/GAP
Start	452	End	1576
GI	3995_1.R1084	Score	791
Exons	452..551, 1251..1576		
GI Descrip.	'4886282/emb CAB43434.1 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.gp	Method	AAT/GAP
Start	5562	End	5900
GI	2310943	Score	641
Exons	5562..5900		
GI Descrip.	4886282/emb CAB43434.1 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.gs	Method	GENSCAN
Start	5671	End	13698
GI	none	Score	.68
Exons	5671..6885, 7315..7456, 7499..7664, 8816..8981, 9762..9909, 10078..10185, 10317..10398, 11415..11679, 12732..12800, 12888..13049, 13151..13274, 13588..13698		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	5743	End	6003
GI	none	Score	404
Exons	5743..6003, 5769..6002		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.np	Method	AAT/NAP
Start	5752	End	6999
GI	4510376	Score	390
Exons	5752..6999		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	5761	End	6921
GI	none	Score	323
Exons	5761..6048, 5769..6023, 6139..6189, 6235..6393, 6493..6804, 6543..6767, 6825..6890, 6826..6921		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	5761	End	6009
GI	none	Score	241
Exons	5761..6009, 5769..6008		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	5767	End	5982
GI	none	Score	205
Exons	5767..5982, 5772..5939		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	6662	End	6939

GI	none	Score	35
Exons	6662..6682, 6679..6768, 6679..6768, 6695..6769, 6696..6770, 6751..6939, 6752..6898, 6757..6939		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	6670	End	6981
GI	none	Score	94
Exons	6670..6807, 6832..6981		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.gp	Method	AAT/GAP
Start	8422	End	8507
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	8422..8507		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o4.gp	Method	AAT/GAP
Start	9501	End	13511
GI	18266_1.R1084	Score	2558
Exons	9501..9656, 9762..9909, 10078..10185, 10274..10400, 11415..11679, 12732..12800, 12888..13049, 13151..13511		
GI Descrip.	'1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	9804	End	13466
GI	none	Score	74
Exons	9804..9872, 9813..9872, 9814..9873, 10075..10185, 10075..10185, 10080..10208, 10080..10196, 10266..10391, 10271..10402, 10273..10398, 11380..11679, 11417..11680, 11417..11680, 12731..12799, 12732..12803, 12732..12800, 12742..12804, 12885..13049, 12893..13048, 13145..13303, 13150..13305, 13150..13299, 13332..13355, 13386..13466		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	9808	End	13231
GI	none	Score	73
Exons	9808..9873, 9918..9971, 9925..9948, 10075..10185, 10080..10184, 10271..10402, 10273..10395, 11380..11676, 11415..11567, 11563..11631, 12735..12803, 12743..12799, 12854..13036, 12885..13037, 12885..13049, 13148..13231		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.np	Method	AAT/NAP
Start	9811	End	13300
GI	6689637	Score	1354
Exons	9811..9909, 10078..10185, 10274..10398, 11415..11679, 12732..12800, 12888..13049, 13151..13300		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	10075	End	11525
GI	none	Score	166
Exons	10075..10185, 10077..10208, 10077..10196, 10271..10402, 10273..10398, 11380..11520, 11412..11522, 11412..11525		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	10075	End	13231
GI	none	Score	143
Exons	10075..10185, 10077..10184, 10249..10395, 10265..10402, 10311..10403, 11380..11667, 11416..11634, 11418..11702, 12725..12805, 12741..12803, 12854..13030, 12885..13049, 12885..13049, 13145..13231		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o1.np	Method	AAT/NAP
Start	7371	End	8428
GI	6721543	Score	171
Exons	7371..7499, 8312..8428		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.gp	Method	AAT/GAP
Start	7385	End	7537
GI	7406_1.R1084	Score	221
Exons	7385..7537		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.gs	Method	GENSCAN
Start	7988	End	14216
GI	none	Score	.53
Exons	7988..10119, 10321..10616, 11056..11206, 11312..11558,		

11733..12143, 12235..12533, 12610..12770, 13113..13194,
13457..13588, 13651..13698, 13703..13905, 14056..14216

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.np	Method	AAT/NAP
Start	8441	End	13937
GI	5441880	Score	4748
Exons	8441..9446, 9891..9922, 10181..10496, 11056..11206, 11312..11648, 12235..12533, 12610..12868, 13113..13210, 13457..13588, 13703..13937		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o3.gp	Method	AAT/GAP
Start	9045	End	9476
GI	5701669	Score	837
Exons	9045..9476		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o4.gp	Method	AAT/GAP
Start	12361	End	12860
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	12361..12533, 12610..12860		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o5.gp	Method	AAT/GAP
Start	14041	End	15856
GI	LIB3431-045-P1-N1-A10	Score	817
Exons	14041..14384, 15747..15856		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o3.gs	Method	GENSCAN
Start	14443	End	16192
GI	none	Score	.62
Exons	14443..14445, 14628..14786, 14853..14930, 16070..16192		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
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Gene No.	14166	Strand	+
Start	25091	End	30586
Name	OJ990211_02.9819.C10.o5.np	Method	AAT/NAP
Start	25091	End	30586
GI	2326372	Score	183
Exons	25091..25134, 27241..27349, 27435..27578, 30455..30586		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14166	Strand	+
Start	25091	End	30586
Name	OJ990211_02.9819.C10.o4.np	Method	AAT/NAP
Start	25309	End	28925
GI	6598759	Score	52
Exons	25309..25345, 26781..26854, 28881..28925		
GI Descrip.	(AC007295) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14167	Strand	-
Start	81	End	476
Name	OJ990211_02.9819.C10.o1.gp	Method	AAT/GAP
Start	81	End	476
GI	none	Score	759
Exons	81..476		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14168	Strand	-
Start	16696	End	17232
Name	OJ990211_02.9819.C10.o4.gs	Method	GENSCAN
Start	16696	End	17232
GI	none	Score	1
Exons	16696..17232		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14169	Strand	-
Start	17795	End	23335
Name	OJ990211_02.9819.C10.o5.gs	Method	GENSCAN
Start	17795	End	23335
GI	none	Score	.64
Exons	17795..18054, 18443..22570, 23281..23335		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14169	Strand	-
Start	17795	End	23335
Name	OJ990211_02.9819.C10.o3.np	Method	AAT/NAP
Start	18426	End	22562
GI	4234852	Score	4378
Exons	18426..22359, 22402..22562		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	9002	End	9598
GI	none	Score	93
Exons	9002..9130, 9010..9108, 9164..9463, 9181..9402, 9527..9598		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	9296	End	9676
GI	none	Score	204
Exons	9296..9490, 9305..9502, 9496..9606, 9500..9676, 9500..9646		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o7.tm	Method	TBLASTX:Maize
Start	18465	End	18923
GI	none	Score	55
Exons	18465..18656, 18705..18881, 18864..18923		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.tw	Method	TBLASTX:Wheat
Start	18477	End	18876
GI	none	Score	118
Exons	18477..18872, 18643..18876		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	18480	End	19046
GI	none	Score	131
Exons	18480..18671, 18660..18851, 18864..19046		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	18936	End	19367
GI	none	Score	131
Exons	18936..19232, 18937..19092, 19206..19367		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	19032	End	19812
GI	none	Score	152
Exons	19032..19481, 19036..19482, 19458..19811, 19467..19811, 19468..19812		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	19368	End	19811
GI	none	Score	139
Exons	19368..19469, 19503..19811, 19504..19794		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	19503	End	19940
GI	5509260	Score	44
Exons	19503..19940, 19504..19536, 19579..19851		
GI Descrip.	-		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	19593	End	19853
GI	none	Score	116
Exons	19593..19853, 19615..19851		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.ts	Method	TBLASTX:Soybean
Start	20421	End	20807
GI	none	Score	79
Exons	20421..20594, 20598..20807, 20626..20805		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	20424	End	21086
GI	none	Score	35
Exons	20424..20522, 20449..20523, 20502..20807, 20524..20784, 20847..21086, 20848..20868, 20917..21072		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	20427	End	20807
GI	none	Score	123
Exons	20427..20594, 20607..20807		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o6.tm	Method	TBLASTX:Maize
Start	20613	End	21071
GI	none	Score	85
Exons	20613..20798, 20635..20796, 20847..21071		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	20862	End	21248
GI	none	Score	38

Exons 20862..21248, 20920..21003, 21031..21237

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	21462	End	22470
GI	none	Score	50
Exons	21462..21563, 21565..21615, 21720..21851, 21739..21780, 21861..22469, 21891..22145, 21892..22470		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o6.gs	Method	GENSCAN
Start	23690	End	30047
GI	none	Score	.74
Exons	23690..24108, 24713..24751, 29001..29095, 30040..30047		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o5.tm	Method	TBLASTX:Maize
Start	27241	End	27572
GI	none	Score	101
Exons	27241..27348, 27241..27348, 27242..27349, 27426..27572, 27429..27560		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o5.ts	Method	TBLASTX:Soybean
Start	27241	End	27545
GI	none	Score	145
Exons	27241..27348, 27242..27349, 27426..27545, 27429..27530		

Seq. No.	6740	Seq. ID	OJ990211_02.9819.C11
Gene No.	14171	Strand	+
Start	482	End	640
Name	OJ990211_02.9819.C11.o1.gs	Method	GENSCAN
Start	482	End	640
GI	none	Score	.71
Exons	482..640		

Seq. No.	6741	Seq. ID	OJ990211_02.9819.C12
Gene No.	14172	Strand	+
Start	424	End	504
Name	OJ990211_02.9819.C12.o1.gs	Method	GENSCAN
Start	424	End	504
GI	none	Score	.63
Exons	424..504		

Seq. No.	6742	Seq. ID	OJ990211_02.9819.C13
Gene No.	14173	Strand	-
Start	392	End	626
Name	OJ990211_02.9819.C13.o1.gp	Method	AAT/GAP
Start	392	End	626

GI LIB3475-007-P1-K1-G8 Score 409
 Exons 392..626
 GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No. 6742 Seq. ID OJ990211_02.9819.C13
 Gene No. 14173 Strand -
 Start 392 End 626
 Name OJ990211_02.9819.C13.ol.gs Method GENSCAN
 Start 399 End 616
 GI none Score .43
 Exons 399..616

Seq. No. 6743 Seq. ID OJ990211_02.9819.C16
 Gene No. 14174 Strand -
 Start 285 End 443
 Name OJ990211_02.9819.C16.ol.gs Method GENSCAN
 Start 285 End 443
 GI none Score .72
 Exons 285..443

Seq. No. 6744 Seq. ID OJ990211_02.9819.C18
 Gene No. 14175 Strand +
 Start 1 End 738
 Name OJ990211_02.9819.C18.ol.np Method AAT/NAP
 Start 1 End 738
 GI 5441880 Score 1011
 Exons 1..738
 GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No. 6744 Seq. ID OJ990211_02.9819.C18
 Gene No. 14175 Strand +
 Start 1 End 738
 Name OJ990211_02.9819.C18.ol.gs Method GENSCAN
 Start 131 End 629
 GI none Score .77
 Exons 131..629

Seq. No. 6744 Seq. ID OJ990211_02.9819.C18
 Gene No. 14175 Strand +
 Start 1 End 738
 Name OJ990211_02.9819.C18.ol.tm Method TBLASTX:Maize
 Start 368 End 738
 GI none Score 94
 Exons 368..496, 376..474, 530..736, 547..738

Seq. No. 6744 Seq. ID OJ990211_02.9819.C18
 Gene No. 14175 Strand +
 Start 1 End 738
 Name OJ990211_02.9819.C18.ol.gp Method AAT/GAP
 Start 411 End 738
 GI 5701669 Score 604
 Exons 411..738
 GI Descrip. 5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6745	Seq. ID	OJ990211_02.9819.C20
Gene No.	14176	Strand	-
Start	235	End	907
Name	OJ990211_02.9819.C20.o1.gs	Method	GENSCAN
Start	235	End	907
GI	none	Score	.58
Exons	235..907		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	725	End	872
GI	none	Score	224
Exons	725..871, 726..872		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.gs	Method	GENSCAN
Start	832	End	2040
GI	none	Score	.92
Exons	832..2040		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.np	Method	AAT/NAP
Start	832	End	2037
GI	1196998	Score	2103
Exons	832..2037		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi 5103202 dbj BAA78838.1 (AP000342) transposase of Tn10 [Plasmid R100] gi 5706382 dbj BAA83097.1 (AB026428) transposase [Methylobacterium aminofaciens] gi 5738092 gb AAD50250.1 AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi 6721110 gb AAF26764.1 AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	6747	Seq. ID	OJ990211_02.9819.C23
Gene No.	14178	Strand	+
Start	159	End	391
Name	OJ990211_02.9819.C23.o1.gs	Method	GENSCAN
Start	159	End	391
GI	none	Score	.91
Exons	159..391		

Seq. No.	6748	Seq. ID	OJ990211_02.9819.C24
Gene No.	14179	Strand	-
Start	58	End	1014
Name	OJ990211_02.9819.C24.o1.gs	Method	GENSCAN
Start	58	End	875
GI	none	Score	.81
Exons	58..199, 729..875		

Seq. No.	6748	Seq. ID	OJ990211_02.9819.C24
Gene No.	14179	Strand	-
Start	58	End	1014
Name	OJ990211_02.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	726	End	1014
GI	none	Score	93
Exons	726..803, 726..875, 727..774, 727..882, 789..902, 801..902, 811..903, 881..964, 900..1013, 901..1014, 937..1014		

Seq. No.	6749	Seq. ID	OJ990211_02.9819.C26
Gene No.	14180	Strand	+
Start	373	End	663
Name	OJ990211_02.9819.C26.o1.gp	Method	AAT/GAP
Start	373	End	663
GI	37294_1.R1084	Score	224
Exons	373..453, 597..663		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6749	Seq. ID	OJ990211_02.9819.C26
Gene No.	14180	Strand	+
Start	373	End	663
Name	OJ990211_02.9819.C26.o1.gs	Method	GENSCAN
Start	375	End	645
GI	none	Score	.78
Exons	375..453, 530..645		

Seq. No.	6750	Seq. ID	OJ990211_02.9819.C27
Gene No.	14181	Strand	+
Start	243	End	510
Name	OJ990211_02.9819.C27.o1.gs	Method	GENSCAN
Start	243	End	510
GI	none	Score	.71
Exons	243..280, 405..510		

Seq. No.	6751	Seq. ID	OJ990211_02.9819.C28
Gene No.	14182	Strand	-
Start	450	End	636
Name	OJ990211_02.9819.C28.o1.gs	Method	GENSCAN
Start	450	End	636
GI	none	Score	.55
Exons	450..636		

Seq. No.	6751	Seq. ID	OJ990211_02.9819.C28
Gene No.	14183	Strand	-
Start	681	End	933
Name	OJ990211_02.9819.C28.o1.gp	Method	AAT/GAP
Start	681	End	933
GI	3761181	Score	419
Exons	681..933		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6752	Seq. ID	OJ990211_02.9819.C29
Gene No.	14184	Strand	+
Start	48	End	414

Name	OJ990211_02.9819.C29.o1.gs	Method	GENSCAN
Start	48	End	414
GI	none	Score	.99
Exons	48..414		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o1.gs	Method	GENSCAN
Start	329	End	1984
GI	none	Score	.7
Exons	329..718, 746..883, 996..1082, 1579..1792, 1869..1984		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o2.np	Method	AAT/NAP
Start	448	End	1722
GI	6728875	Score	407
Exons	448..629, 746..883, 996..1082, 1180..1227, 1579..1722		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o1.gp	Method	AAT/GAP
Start	1579	End	2264
GI	37294_1.R1084	Score	1027
Exons	1579..1792, 1936..2264		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o2.gp	Method	AAT/GAP
Start	2452	End	3410
GI	78815_1.R1084	Score	1248
Exons	2452..2890, 3005..3173, 3269..3410		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o2.gs	Method	GENSCAN
Start	2716	End	6761
GI	none	Score	.99
Exons	2716..2890, 3005..3173, 3269..3377, 3443..3662, 3756..3901, 3986..4076, 6505..6761		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o3.np	Method	AAT/NAP
Start	2719	End	6758
GI	4678261	Score	1421

Exons 2719..2890, 3005..3226, 3263..3377, 3443..3662, 3756..3901, 3986..4076, 6505..6758
 GI Descrip. (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o3.gp	Method	AAT/GAP
Start	3990	End	6829
GI	82047_1.R1084	Score	708
Exons	3990..4076, 6505..6829		
GI Descrip.	'4678261/emb CAB41122.1 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o4.np	Method	AAT/NAP
Start	5601	End	7314
GI	499014	Score	103
Exons	5601..5637, 7167..7314		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi 1395188 dbj BAA10942 (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.tc	Method	TBLASTX:Cress
Start	506	End	1230
GI	none	Score	86
Exons	506..598, 597..632, 728..883, 745..885, 993..1082, 996..1136, 1180..1230		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	506	End	1073
GI	none	Score	35
Exons	506..559, 521..571, 526..588, 548..598, 550..597, 593..628, 596..628, 597..632, 597..632, 743..802, 745..885, 746..883, 975..1073, 988..1071, 993..1073		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.ts	Method	TBLASTX:Soybean
Start	524	End	1230
GI	none	Score	75
Exons	524..598, 597..632, 727..885, 728..883, 993..1082, 1180..1230		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.ts	Method	TBLASTX:Soybean

Start	2695	End	15538
GI	none	Score	146
Exons	2695..2889, 2713..2877, 2720..2890, 2732..2890, 3001..3174, 3007..3174, 3008..3175, 3011..3184, 3270..3380, 3271..3378, 3437..3664, 3440..3661, 3441..3749, 3511..3666, 3753..3902, 3756..3911, 3758..3904, 3951..4073, 3986..4075, 3986..4078, 6480..6749, 15434..15538, 15439..15531		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	2708	End	16578
GI	none	Score	261
Exons	2708..2890, 2716..2892, 2720..2890, 2987..3172, 3004..3174, 3005..3172, 3268..3378, 3270..3380, 3270..3380, 3283..3405, 3437..3664, 3441..3662, 3754..3849, 3756..3902, 3758..3904, 3954..4073, 3980..4075, 3985..4074, 3986..4078, 6480..6815, 6495..6623, 6598..6723, 15434..15538, 15438..15527, 15439..15531, 16274..16315, 16446..16496, 16498..16578		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	2716	End	3671
GI	none	Score	256
Exons	2716..2892, 2717..2890, 2995..3174, 3004..3174, 3005..3175, 3267..3326, 3270..3380, 3271..3378, 3437..3625, 3441..3626, 3630..3671, 3635..3661		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	3518	End	3812
GI	none	Score	195
Exons	3518..3661, 3519..3665, 3520..3666, 3520..3666, 3748..3804, 3758..3805, 3762..3809, 3762..3812		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.tc	Method	TBLASTX:Cress
Start	3746	End	15538
GI	none	Score	126
Exons	3746..3880, 3755..3904, 3756..3911, 3954..4073, 3977..4075, 3986..4078, 6480..6752, 15410..15538, 15439..15531		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.gs	Method	GENSCAN
Start	8030	End	17529
GI	none	Score	.86
Exons	8030..8554, 8926..8977, 9132..9184, 9277..9353, 9605..9638, 9741..9860, 10361..10478, 10571..10676, 11196..11262,		

11384..11511, 11968..12093, 12587..12733, 13187..13518,
13735..13843, 16092..16210, 16274..16715, 17187..17529

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o5.np	Method	AAT/NAP
Start	8372	End	11500
GI	4584525	Score	272
Exons	8372..8561, 8904..8977, 9132..9184, 9277..9353, 9461..9496, 9551..9633, 9736..9880, 10343..10478, 10571..10676, 11196..11262, 11384..11500		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o6.np	Method	AAT/NAP
Start	12450	End	15688
GI	5852093	Score	75
Exons	12450..12471, 14196..14314, 15662..15688		
GI Descrip.	(AL117264).zwh16.1 [Oryza sativa]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o7.np	Method	AAT/NAP
Start	13566	End	16539
GI	4678261	Score	113
Exons	13566..13603, 15439..15529, 16274..16539		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.ts	Method	TBLASTX:Soybean
Start	14728	End	15343
GI	none	Score	66
Exons	14728..14817, 14817..14879, 14947..15039, 14948..15031, 15036..15080, 15086..15151, 15087..15140, 15242..15343		

Seq. No.	6754	Seq. ID	OJ990211_02.9819.C31
Gene No.	14188	Strand	+
Start	788	End	1279
Name	OJ990211_02.9819.C31.o2.gs	Method	GENSCAN
Start	788	End	1279
GI	none	Score	.84
Exons	788..843, 1072..1279		

Seq. No.	6754	Seq. ID	OJ990211_02.9819.C31
Gene No.	14189	Strand	-
Start	86	End	526
Name	OJ990211_02.9819.C31.o1.gs	Method	GENSCAN
Start	86	End	526
GI	none	Score	.68

Exons 86..526

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14190	Strand	+
Start	1	End	886
Name	OJ990211_02.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	886
GI	6721172	Score	675
Exons	1..886		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14190	Strand	+
Start	1	End	886
Name	OJ990211_02.9819.C32.o1.gs	Method	GENSCAN
Start	92	End	880
GI	none	Score	.88
Exons	92..880		

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	80	End	802
GI	none	Score	96
Exons	80..265, 80..169, 83..298, 86..373, 119..421, 203..388, 233..424, 407..583, 425..592, 452..598, 677..700, 728..802		

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	83	End	583
GI	none	Score	122
Exons	83..322, 107..418, 200..418, 200..370, 226..408, 398..583		

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	315	End	600
GI	none	Score	234
Exons	315..587, 316..600, 317..595		

Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o3.gs	Method	GENSCAN
Start	4218	End	5118
GI	none	Score	.83
Exons	4218..4322, 4349..4544, 5063..5118		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o1.np	Method	AAT/NAP
Start	50	End	4228

GI 6016732 Score 1118
 Exons 50..790, 1649..2637, 3965..4228
 GI Descrip. (AC009325) hypothetical protein [Arabidopsis thaliana]
 gi|6091719|gb|AAF03431.1|AC010797_7 (AC010797) hypothetical
 protein [Arabidopsis thaliana]

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14192 Strand +
 Start 50 End 4228
 Name OJ990211_02.9819.C34.o1.gs Method GENSCAN
 Start 83 End 3048
 GI none Score .74
 Exons 83..787, 1649..1975, 2189..2595, 2616..3048

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14192 Strand +
 Start 50 End 4228
 Name OJ990211_02.9819.C34.o2.gp Method AAT/GAP
 Start 542 End 1709
 GI uC-osflcyp158a11b1 Score 594
 Exons 542..787, 1649..1709
 GI Descrip. '6016732/gb|AAF01558.1|AC009325_28 9.0e-13 (AC009325)
 hypothetical protein [Arabidopsis thaliana]
 >gi_6091719_gb_AAF03431.1_AC010797_7 (AC010797) hypothetical
 protein [Arabidopsis thaliana]'

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14192 Strand +
 Start 50 End 4228
 Name OJ990211_02.9819.C34.o3.gp Method AAT/GAP
 Start 2111 End 2396
 GI LIB3477-006-P1-K1-H9 Score 531
 Exons 2111..2396
 GI Descrip. '6015437/dbj|AB008112.1|AB008112 1.0e-13 Homo sapiens PEX1 mRNA,
 complete cds'

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14192 Strand +
 Start 50 End 4228
 Name OJ990211_02.9819.C34.o4.gp Method AAT/GAP
 Start 2558 End 2943
 GI 572337 Score .734
 Exons 2558..2943

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14193 Strand -
 Start 3464 End 5950
 Name OJ990211_02.9819.C34.o1.tc Method TBLASTX:Cress
 Start 79 End 307
 GI none Score 217
 Exons 79..201, 80..307

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
 Gene No. 14193 Strand -
 Start 3464 End 5950
 Name OJ990211_02.9819.C34.o4.tm Method TBLASTX:Maize
 Start 79 End 307

GI none Score 60
Exons 79..117, 79..201, 80..307, 161..307

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o1.ts Method TBLASTX:Soybean
Start 79 End 1720
GI none Score 247
Exons 79..201, 80..319, 161..244, 347..553, 358..537, 446..541,
491..538, 617..703, 653..706, 713..790, 733..789, 1643..1720

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o2.tm Method TBLASTX:Maize
Start 308 End 1797
GI none Score 372
Exons 308..580, 349..573, 488..556, 617..715, 623..727, 624..755,
663..788, 713..790, 727..789, 1635..1739, 1641..1739,
1643..1759, 1643..1753, 1645..1758, 1693..1797

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o1.tm Method TBLASTX:Maize
Start 1846 End 3073
GI none Score 106
Exons 1846..1920, 1847..1924, 1902..2060, 1919..2428, 1922..2059,
1924..2346, 1950..2354, 2105..2359, 2339..2452, 2360..2479,
2449..2583, 2468..2578, 2580..2645, 2616..2714, 2635..2667,
2664..2777, 2770..2820, 2770..2820, 2899..3051, 2901..3050,
3011..3073

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o1.tw Method TBLASTX:Wheat
Start 1889 End 2272
GI none Score 472
Exons 1889..2272, 1891..2271

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o2.ts Method TBLASTX:Soybean
Start 1954 End 2317
GI none Score 181
Exons 1954..2139, 1955..2200, 2207..2317

Seq. No. 6756 Seq. ID OJ990211_02.9819.C34
Gene No. 14193 Strand -
Start 3464 End 5950
Name OJ990211_02.9819.C34.o5.gp Method AAT/GAP
Start 3464 End 5377
GI 15763_1.R1084 Score 2328
Exons 3464..4299, 4379..4500, 4584..4626, 4713..4825, 4924..4983,

5297..5377
 GI Descrip. '6016737/gb|AAF01563.1|AC009325_33 3.0e-11 (AC009325)
 hypothetical protein [Arabidopsis thaliana]
 >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical
 protein [Arabidopsis thaliana]'

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.gs	Method	GENSCAN
Start	4036	End	5366
GI	none	Score	.47
Exons	4036..4500, 4713..4825, 4924..4983, 5297..5366		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.np	Method	AAT/NAP
Start	4039	End	5950
GI	6016737	Score	216
Exons	4039..4304, 4384..4523, 4577..4619, 4709..4826, 5925..5950		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi 6091741 gb AAF03453.1 AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o3.ts	Method	TBLASTX:Soybean
Start	4051	End	4308
GI	none	Score	84
Exons	4051..4257, 4069..4263, 4142..4270, 4270..4308		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o3.tm	Method	TBLASTX:Maize
Start	4108	End	5368
GI	none	Score	166
Exons	4108..4308, 4142..4300, 4378..4428, 4379..4501, 4419..4502, 4574..4630, 4575..4631, 4584..4631, 4688..4825, 4704..4826, 4713..4826, 4717..4827, 4916..4954, 4924..4968, 5285..5368, 5297..5368		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o6.gp	Method	AAT/GAP
Start	5523	End	5774
GI	LIB3432-004-P1-K1-F10	Score	315
Exons	5523..5774		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14194	Strand	+
Start	311	End	484

Name	OJ990211_02.9819.C35.o1.gp	Method	AAT/GAP
Start	311	End	484
GI	LIB3432-004-P1-K1-F10	Score	252
Exons	311..484		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	2327
GI	6016737	Score	427
Exons	1..57, 562..1592, 2223..2327		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi 6091741 gb AAF03453.1 AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	310	End	812
GI	none	Score	105
Exons	310..432, 312..431, 314..439, 359..451, 378..458, 518..775, 519..788, 779..811, 780..812		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.gs	Method	GENSCAN
Start	313	End	1798
GI	none	Score	.54
Exons	313..450, 529..1798		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o4.tm	Method	TBLASTX:Maize
Start	827	End	1009
GI	none	Score	182
Exons	827..1009, 858..1007, 869..1009		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1295
GI	none	Score	91
Exons	921..1118, 986..1291, 1046..1213, 1143..1295		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.tc	Method	TBLASTX:Cress
Start	986	End	1211
GI	none	Score	141

Exons 986..1207, 987..1211

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1615
GI	none	Score	413
Exons	1010..1402, 1014..1388, 1388..1615, 1392..1613		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o3.tm	Method	TBLASTX:Maize
Start	1616	End	1837
GI	none	Score	110
Exons	1616..1714, 1620..1712, 1712..1813, 1715..1837, 1722..1814		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14196	Strand	+
Start	448	End	802
Name	OJ990211_02.9819.C36.o1.gs	Method	GENSCAN
Start	448	End	802
GI	none	Score	.7
Exons	448..583, 684..802		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o2.gs	Method	GENSCAN
Start	2780	End	5825
GI	none	Score	.78
Exons	2780..2786, 2858..2967, 3264..3411, 4002..4092, 4335..4641, 4705..5060, 5513..5825		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.np	Method	AAT/NAP
Start	5490	End	9134
GI	6382535	Score	1096
Exons	5490..5552, 7011..8431, 8525..8653, 8747..8882, 8963..9134		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.gp	Method	AAT/GAP
Start	5497	End	5772
GI	5701672	Score	461
Exons	5497..5772		
GI Descrip.	4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134